ORDER NO. BSD0109M627

Service Manual

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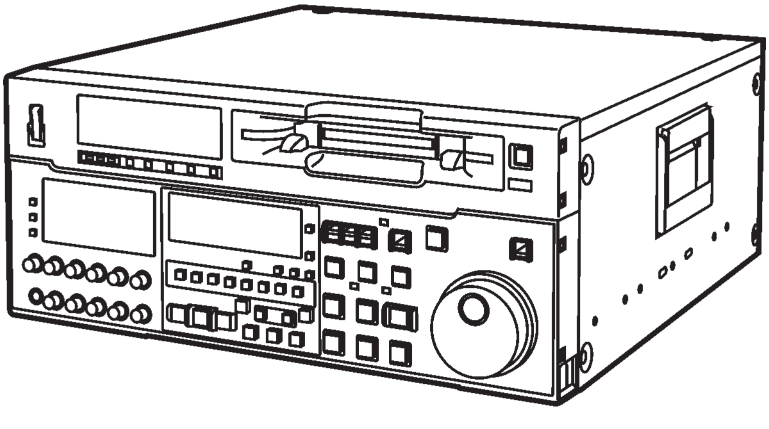
DVCPRO HD

Digital HD Video Cassette Recorder

AJ-HD150MC

Refer to
BSD0103M901 (CD-ROM No.11/BSD01051K0X)
DVCPRO MECHANISM Version 2
for Mechanical Adjustment.



Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicans. Any attempt to service or repair the product or products deal with in this service manual by anyone else could result in serious injury or death.

规格

总体

电源: AC 220-240V，50-60Hz
电源耗能: 220W

□ 框内是安全性信息。

操作环境温度: 5℃至 40℃
操作环境湿度: 10% 至 90%（无结露）
重量: 20 公斤
尺寸（宽×高×深）: 424（最大 435.4）× 175.2 × 448.9 毫米
（不包含支撑脚，接口，JOG 盘和风扇）
记录格式: DVCPRO HD
记录视频信号: 1080i/50Hz
记录音频信号: 48kHz，16 比特，8 声道
记录磁迹: 数字视频 / 音频: 螺旋磁迹
时间码记录在子码区内
提示磁迹: 1 道
控制磁迹: 1 道
带速: 135.415 毫米 / 秒
记录时间: 46 分钟（使用 AJ-HP46LP）
32 分钟（使用 AJ-HP32LP）
磁带: 金属磁带
快进 / 快退时间: 近似值 1 分钟（使用 AJ-HP46LP）
搜索速度: ± 50 倍速（彩色）
数字慢动作: 正方向: 1 倍速
反方向: -1 倍速
编辑精度: ± 0 帧（使用时间码）
磁带定时精度: ± 1 帧（使用连续 CTL 信号）
伺服锁定时间: 小于 0.3 秒（待机 ON）
加载时间: 近似值 3 秒
音频分离编辑: YES

视频
抽样频率: Y: 74.25MHz，PB/PR: 37.125MHz
量化: 8 比特
视频压缩方法: DCT ＋变量码长
视频压缩比: 1/6.7
误码校正: Reed-Solomon 制造码
视频记录比特率: 100Mbps

视频输入接口
HD 数字串行输入: BNC × 1，符合 SMPTE 292M 标准
HD 基准输入: BNC × 2，环通，75Ω 开 / 关
SD 基准输入: BNC × 2，环通，75Ω 开 / 关

视频输出接口
HD 数字串行输出: BNC × 3，符合 SMPTE 292M 标准
OUT3（字符叠加 开 / 关）
数字串行分量输出: BNC × 3，符合 ITU-R BT.656-3 标准
OUT3（字符叠加 开 / 关）
HD 基准输出: BNC × 1
SD 基准输出: BNC × 1
模拟复合输出: BNC × 3，视频 1，视频 2（WFM OUT），视频 3（字符叠加 开 / 关）　在 SD 回放过程下变频器安装之后输出

视频信号调节
HD SDI Y 输出增益: －∞至 +3dB
HD SDI PB 输出增益: －∞至 +3dB
HD SDI PR 输出增益: －∞至 +3dB
HD SDI Y 黑色电平: ± 10%

规格

HD SDI 输出系统相位:	± 0.5H（660 取样，27ns steps）
SD SDI（复合视频）Y 输出增益:	－∞至＋3dB
SD SDI（复合视频）PB 输出增益:	－∞至＋3dB
SD SDI（复合视频）PR 输出增益:	－∞至＋3dB
SD SDI（复合视频）Y 黑色电平:	± 10%
SD SDI 系统相位:	± 0.5H（432 取样，74 ns steps）
复合视频输出系统相位:	± 0.5H（432 取样，74 ns steps）
复合视频输出 SC 相位:	± 180°

音频

数字音频

抽样频率:	48kHz（与视频同步）
量化:	16 比特
频率响应:	20Hz 至 20kHz ± 1.0dB（在基准电平）
动态范围:	优于 90dB（1kHz，无加重）
失真:	小于 0.05%（1kHz，无加重，基准电平）
串音:	小于－80dB（1kHz，在两个声道间）
低音失真和震颤:	低于可测门限
富余度:	18dB

提示磁迹

频率响应:	300Hz 至 6kHz ± 3dB

音频输入接口

模拟输入（CH1/CH2/CH3/CH4）:	XLR × 4，600Ω / 高阻可选，＋4/0/－20dBu 可选
数字输入（CH1/CH2,CH3/CH4, CH5/CH6,CH7/CH8）:	BNC × 4，AES/EBU 格式
数字串行输入:	BNC × 1，符合 SMPTE 292M 标准
提示磁迹输入:	XLR × 1，600Ω / 高阻可选，＋4/0/－20/－60dBu 可选

音频输出接口

模拟输出（CH1/CH2/CH3/CH4）:	XLR × 4，低阻，+4/0/-20dBu 可选
数字输出（CH1/CH2,CH3/CH4, CH5/CH6,CH7/CH8）:	BNC × 4，AES/EBU 格式
HD 数字串行输出:	BNC × 3，符合 SMPTE 292M 标准
SD 数字串行输出:	BNC × 3，符合 ITU-R BT.656-3 标准
提示磁迹输出:	XLR × 1，低阻，＋4/0/－20dBu 可选
监听输出:	XLR × 2，低阻，＋4/0/－20dBu 可选
耳机:	6.35mm 耳机塞孔，可变电平，8Ω

其他输入 / 输出接口

时间码输入:	XLR × 1，0.5 至 8Vp-p，10 kΩ
时间码输出:	XLR × 1，低阻，2.0 Vp-p ± 0.5 Vp-p
RS-422A 输入:	D 类 9 芯，RS-422A 接口
RS-422A 输出:	D 类 9 芯，RS-422A 接口
RS-232C:	D 类 25 芯，RS-232C 接口
并行输入 / 输出:	D 类 50 芯
编码器遥控:	D 类 15 芯

所示的重量和尺寸为近似值。
规范如有修改，恕不另行通知。

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

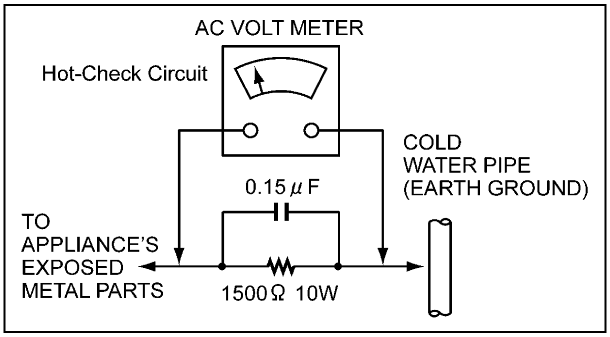

Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ , 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverses the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing x-radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ± 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an x-radiation possibility, it is essential to use the specified picture tube.

SECTION 1

SERVICE INFORMATION

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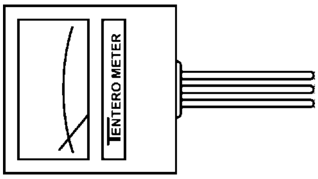
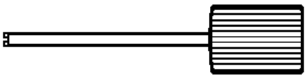
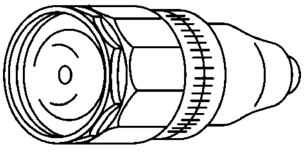
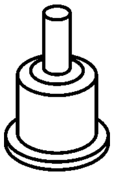
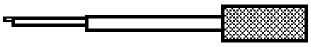
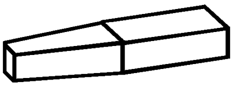
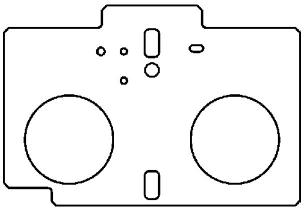
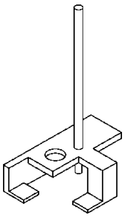
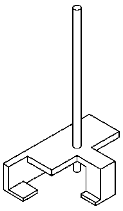
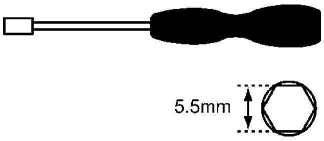
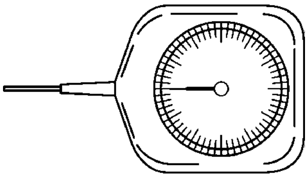
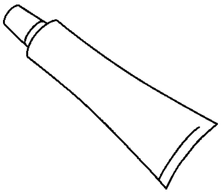
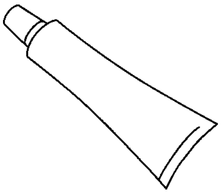
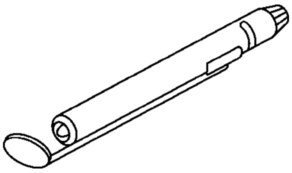
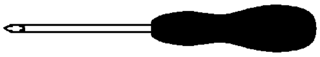
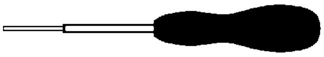
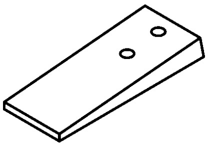
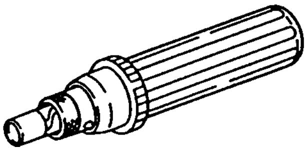
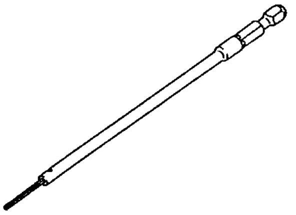
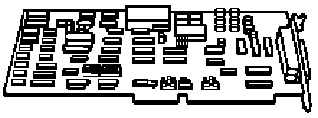
1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARK
1		VFK1145A	Back Tension Meter	
2	New	VFK1149A	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5cN·m)	150g
4		VFK1191A	Dial Torque Gauge (0.45cN·m)	45g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5mm)	
7		VFK1154	Post Height Fixture	
8	New	VFK1586	Neutral Position Plate	for L Cassette
9	New	VFK1587	Neutral Position Tool (w/ hole)	
10	New	VFK1588	Neutral Position Tool (w/o hole)	
11		VFK1150	Nut Driver (5.5mm)	
12		VFK1188A	Dial Tension Gauge (300mN)	30g
13		VFK0749	Froiral Grease	for plastics
14		MOR265	Morlytone Grease	for metal
15		VFK0948A	Check Light	
16		VFK1146	Philips Driver (Fine) (00-75)	
17		VFK1147	Philips Driver (Fine) (00-100)	
18		VFK1148	Hex. Driver (1.5mm)	
19		VFK1178	Hex. Driver (0.89mm)	
20		VFK1179	Hex. Driver (0.71mm)	
21	New	VFK1589	A/C Head Fixture	
22		VFK1209A	Torque Driver (4 cN·m-30 cN·m)	0.4 kgf·cm -3kgf·cm
23		VFK0912	Post Axis Driver (1.5mm)	
24		VFK1300	A/D Board (DAQ-12 Quatech)	
25		VFM3680KM	DVCPRO Alignment Tape (No.1) for PAL	or VFM3680KL
26		VFM3681KM	DVCPRO Alignment Tape (No.2) for PAL	or VFM3681KL
27		VFM3682KM	DVCPRO Alignment Tape (No.3) for PAL	or VFM3682KL
28		VFM3480KM	DVCPRO 50 Alignment Tape for PAL	
29		VFM3110EDS	DV Alignment Tape (Color Bars) for PAL	
30		VFM3000EDS	DV Alignment Tape for LISTA	
31		AJ-CL12MP	Cleaning Tape	SALES Route
32		VFK1369	Tape Beg./End Detection Cassette	
33	New	VFK1481C	LISTA Software	
34		VFK1186	LISTA Cable	
35	New	VFK1501	F Extender Board	for F Boards
36	New	VFK1502	H Extender Board	for H Boards
37		VFK1304A	Flash Memory Version up Tool	
38		VFK1248E	Flash Memory Version up Software	
39		VFK1503	Servo Version up Software	
40		VZZ0095	Cleaning Close	
41	New	VFK1590	C PLD Writer	

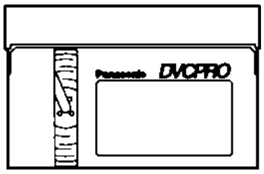
1 **VFK1145A** BackTensionMeter  	**2** **VFK1149A** Post Driver 	**3** **VFK71A** **4** **VFK1191A** Dial Torque Gauge 	**5** **VFK1152** Dial Torque Gauge Adapter 
6 **VFK0357** Eccentric Screwdriver (1.5mm) 	**7** **VFK1154** Post Height Fixtur 	**8** **VFK1586** Neutral Posiotion Plate 	**9** **VFK1587** Neutral Posiotion Tool (w/ hole) 
10 **VFK1588** Neutral Posiotion Tool (w/o hole) 	**11** **VFK1150** Nut Driver (5.5mm)  	**12** **VFK1188A** Dial Tension Gauge 	**13** **VFK0749** Froiral Grease (for plastics) 
14 **MOR265** Morlytone Grease (for metal) 	**15** **VFK0948A** Check Light 	**16** **VFK1146 (00X75)** **17** **VFK1147 (00X100)** Philips Driver (Fine) 	**18** **VFK1148 (1.5mm)** **19** **VFK1178 (0.89mm)** **20** **VFK1179 (0.71mm)** Hex. Driver 
21 **VFK1589** A/CHead Fixture 	**22** **VFK1209A** Torque Driver (4 cN·m-30 cN·m (0.4 kgf·cm -3kgf·cm)) 	**23** **VFK0912** Post Axis Driver (1.5mm) 	**24** **VFK1300** A/D Board (Quatech DAQ-12) 

25 **VFM3680KM or L**

26 **VFM3681KM or L**

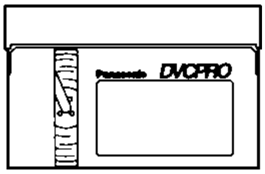
27 **VFM3682KM or L**

DVCPRO
Alignment Tape



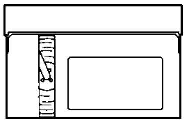
28 **VFM3480KM**

DVCPRO 50
Alignment Tape (PAL)



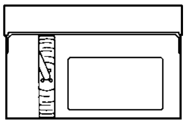
29 **VFM3110EDS**

DV Alignment Tape
(Color Bars) (PAL)



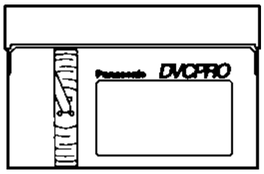
30 **VFM3000EDS**

DV Alignment Tape
(LISTA)



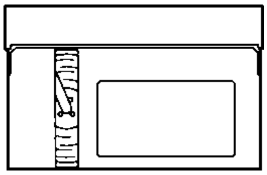
31 **AJ-CL12MP**

Cleaning Tape



32 **VFK1369**

Tape Beg./End
Detection Cassette

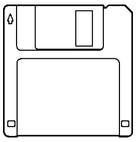


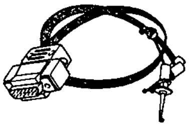
33 **VFK1481C**

LISTASoftware

34 **VFK1186**

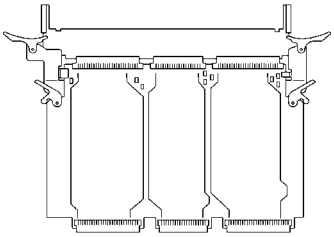
LISTA Cable





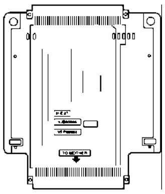
35 **VFK1501**

F Extender Board



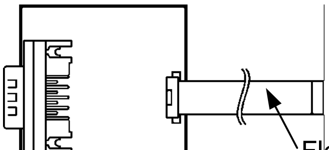
36 **VFK1193**

H Extender Board



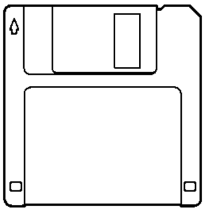
37 **VFK1304A**

Flash Memory Version up Tool
(VFK1304 includes the flexible cable
"VWJ20E5500L0".)


Flexible cable
Part No.: VWJ20E5500L0

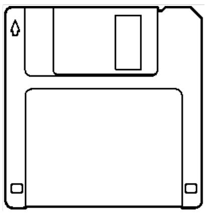
38 **VFK1248E**

Flash Memory
Version up Software



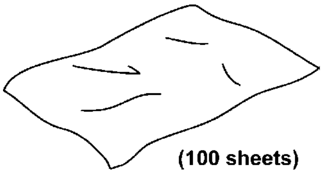
39 **VFK1503**

Servo Version up
Software



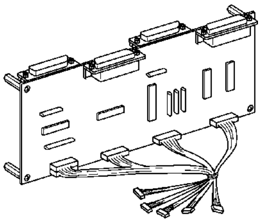
40 **VZZ0095**

Cleaning Close



41 **VFK1590**

C PLD Writer



2. ALIGNMENT TAPE

2-1. VFM3680KM / L (PAL) (25M adjustment tape No.1)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar 100%	Video Level Confirmation	1KHz -18dBu	Audio level Confirmation	1KHz Reference level	CUE Level Confirmation
10:00	H Sweep	Frequency Response				
14:00	Area Markers	Video start timing			6KHz Reference level	A/C Head Azimuth
18:00	Bowtie (500K)	Y/C Timing				
22:00	Pluse & Bar	Y/C Timing			1KHz 300KHz~6KHz	Frequency Response
26:00 30:00	Multi Pulse	Y/C Timing			-----	-----

2-2. VFM3681KM / L (PAL) (25M adjustment tape No.2) (For LISTA adjustment)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3682KM / L (PAL) (25M adjustment tape No.3) (For X-value adjustment)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (75%) w/ REF	X-value adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-4. VFM3480KM (PAL) (50M adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar (with teletext) (100%)	Confirmation of video level and teletext leve	997KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
4:00	Color bar (75%)	Confirmation of the video level				
7:00	Multiburst (Y/Pb/Pr)	Frequency characteristic				
10:00	Multiburst (only Y)	Y-frequency characteristic				
13:00	Bow tie	Y/C timing				
16:00	Area marker	Video start timing				

2-5. VFM3110EDS (PAL) (DV color bar adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	**Purpose**	**Signal**	**Purpose**	**Signal**	**Purpose**
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-6. VFM3000EDS (DV LISTA adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	**Purpose**	**Signal**	**Purpose**	**Signal**	**Purpose**
0:00	LISTA signal	Adjustment of the linearity	-----	-----	-----	-----

3. RECOMMENDED MEASURING INSTRUMENTS

MODEL NO. (Example)	NAME	REMARK
TSG1910 (NTSC)	NTSC analog composite signal generator (with CF OUT)	Tectronix
1760 (op. SC) or 1780R	SCH meter (NTSC)	
	Waveform monitor (NTSC)	
	Vector scope (NTSC)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Audio noise meter	
	Audio analyzer	
	Spectrum analyzer	
	HD Signal Genenator	
	SD Signal Generator	
	HD Waveform Monitor	
	SD Waveform Monitor	
	HD Monitor	
	SD Monitor	

4. MAINTENANCE

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms uses wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important to not just perform repair at the time of trouble, but to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)				
			Every 1,000	**3,000**	**6,000**	**9,000**	**12,000**
-	Cleaning of the travel system	-----	**C: Every 500 hours**				
-	Mechanical chassis unit	VXY1525Z1					**R**
1	Cylinder Unit	VEG1530		**R**	**R**	**R**	**IM**
2	Pinch Arm Unit	VXL3040	**R, G**	**R, G**	**R, G**	**R, G**	**IM**
3	Cleaning Arm Unit	VXL3028	**R**	**R**	**R**	**R**	**IM**
4	S Reel Moter Unit	VEM0718			**R**		**IM**
5	T Reel Moter Unit	VEM0730			**R**		**IM**
6	Capstan Unit	VEM0717			**R**		**IM**
7	S Loading Unit	VXA6646			**R, G**		**IM**
8	T Loading Unit	VXA6648			**R, G**		**IM**
9	S4 Post Base Unit	VXA6688			**R**		**IM**
10	S Tension Arm Unit	VXL3005			**R**		**IM**
11	T5 Arm (1) Unit	VXL2986			**R, G**		**IM**
12	T6 Arm Unit	VXL2977			**R**		**IM**
13	Mode SW Unit	VES0925			**R**		**IM**
14	A/C Head 1 Unit	VED0466					**IM**
15	Motor Unit	VEM0726					**IM**
16	Reel Drive Moter Unit	VEM0585					**IM**
17	Pinch Solenoid	VSJ0227					**IM**
18	S Brake Solenoid	VSJ0216					**IM**
19	T Brake Solenoid	VSJ0216					**IM**
20	Distinction SW Unit	VXA6199					**IM**
21	Cleaner Solenoid	VSJ0226					**IM**
22	Main Cam Cear	VDG1424					**IM**
23	M Stopper Solenoid	VSJ0216					**IM**
-	Front-loading unit	VXA6593					**R**
-	Slot-in motor	VXA5597					**F**
-	Fan motor	VRF0208	Exchange after every 10,000 h of energization				

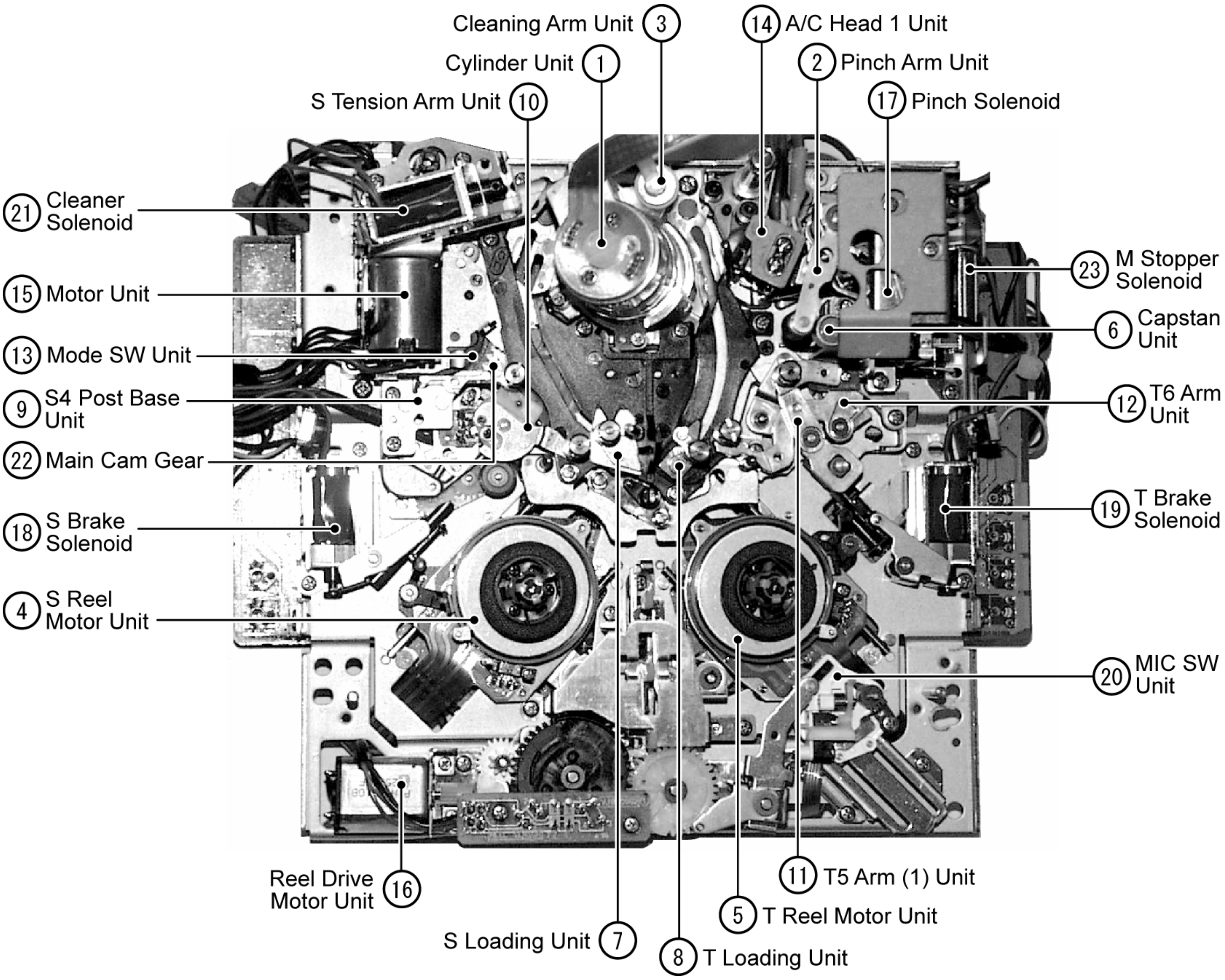
Exchange of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
G : At the time of exchange, wipe off the old grease and apply new grease. (Morlytone grease)
IM : Included in the mechanical chassis unit.
When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the life of the various parts. The life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

4-2. Layout of the Maintenance Parts


Cleaning Arm Unit ③
Cylinder Unit ①
S Tension Arm Unit ⑩
⑭ A/C Head 1 Unit
② Pinch Arm Unit
⑰ Pinch Solenoid
㉑ Cleaner Solenoid
⑮ Motor Unit
⑬ Mode SW Unit
⑨ S4 Post Base Unit
㉒ Main Cam Gear
⑱ S Brake Solenoid
④ S Reel Motor Unit
㉓ M Stopper Solenoid
⑥ Capstan Unit
⑫ T6 Arm Unit
⑲ T Brake Solenoid
⑳ MIC SW Unit
Reel Drive Motor Unit ⑯
⑪ T5 Arm (1) Unit
⑤ T Reel Motor Unit
S Loading Unit ⑦
⑧ T Loading Unit

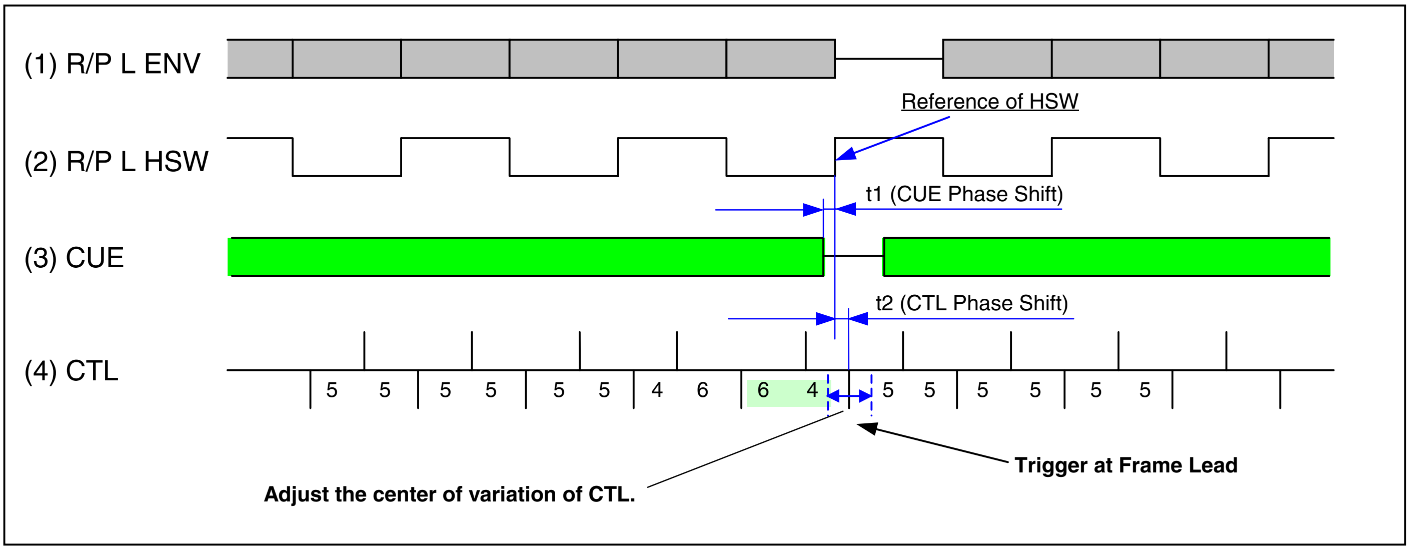
4-3. Mechanical Adjustment

With Mechanical adjustment and Major Mechanical Parts Replacement procedure of AJ-HD150MC are same procedure of AJ-HD150. The procedure of AJ-HD150 is described in service manual (DVCPRO MECHANISM : Order No. BSD0103MM901). Please perform the adjustment and replacement follow the above indicated manual.

NOTE:
With A/C Head Azimuth and X-value Adjustment, please perform follow description on this and next page instead of page 4-16 of DVCPRO MECHANISM service manual.

3-17. A/C Head Azimuth and X-Value Adjustment (AJ-HD150MC)

SPEC.	1. CUE phase shift (t1) and CTL phase shift (t2) from the reference of HSW: (A)100M mode: -125µs≤t1,t2≤+125µs (B) 50M mode: -250µs≤t1,t2≤+250µs **Note**: Center of variation should be used as the position of CTL output. (See the figure below.) 2. Value measured in X VALUE 100 menu: Within ± 27	**TP**	TP401: R/P L ENV (RFEQ 100 Board: H4) TP722: R/P L HSW (SERVO Board: F7) TP101: CUE (CUE Board: H3) TP30 : LIVE CTL (SERVO Board: F7)
		M. EQ.	Oscilloscope
		TOOL	VFK0357 (Eccentric Driver) VFK1148 (Hex Driver) VFK1209A (Torque Driver)
ADJ.	A/C Head		
MODE	See below.		
TAPE	VFM3682KM (X-Value adjustment tape) or VFM3682KL (X-Value adjustment tape)		



1. Open the SERVO ADJUST menu in the Service Menu, and select the item "A17: X VALUE 100".
2. Playback an X-Value adjustment tape with 100M PLAY mode.
3. Adjust Azimuth so that the CTL reference coincides with the head of CUE lack portion. (Refer to "1-13. A/C Head Adjustment Method".)
4. Find out the lack track of R/P ENV, and select the corresponding HSW. (Ignore whether the edge of HSW is high or low, because it changes at every loading.)
5. Adjust X-Value so that the CTL trigger at frame lead (the trigger comes next from where duty changes from 6 to 4) coincides with the reference of HSW. To adjust X-Value, loosen the screws C and D, then adjust the hole E with an eccentric driver.
   When adjusting X-Value, adjust Azimuth simultaneously to keep relationship between CTL and CUE positions.

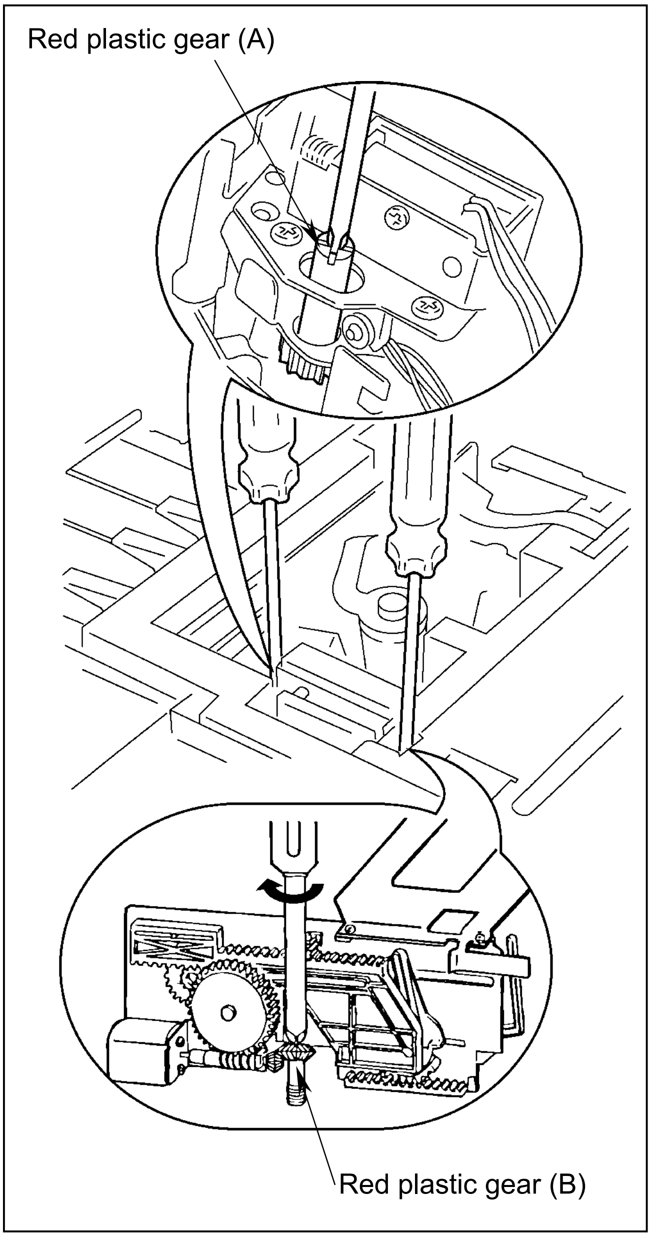
6. After tightening screws of A/C head, knock lightly the top plate portion of A/C Head, which is shown in Figure1-13-3, to remove distortion. Then confirm that phase shift is within specification.
7. Open the SERVO ADJUST menu in the Service Menu, and select the item "A18: X VALU 50".
8. Playback an X-Value adjustment tape with 50M PLAY mode, and confirm that phase shift is within specification. When it is out of specification, perform re-adjustment.
9. Select the item "A17: X VALUE 100" in the Service Menu, and playback an X-Value adjustment tape. Depress the SEARCH button once and confirm that the message "PLAY ALIGNMENT TAPE OK?" appears. After confirmation, keep depressing the SEARCH button again for about three seconds, and confirm that the measured value, which is displayed in the menu, is within specification (within ±27).
   When it is out of specification, perform re-adjustment of X-Value and measurement of X-Value in the menu again. Finish after confirming that the measured value is within specification.

Note: Be sure to finish this adjustment in the condition that measurement of X-Value in the menu has been performed last.

5. MANUAL TAPE EJECT (EMERGENCY EJECT)

When the tape can not be ejected by normal operation because of trouble of the electrical system or the mechanical system, the tape can be removed from the unit manually by means of the following method.

1. Switch off the power and remove the upper cover.
2. Use a cross-slot screw driver to push in the red plastic **gear (A)** and turn it in **counterclockwise** direction. At this time, the tape winding mechanism operates at the same time, so that the latch sound will be heard, but turning for about 10 turns should be done in this condition. (Excessive turning can place a load onto the tape and can cause tape damage.)
3. Confirm unloading for each post and that the tape has been stored completely in the cassette.
4. When the tape has returned completely into the cassette case, push the red plastic **gear (B)** at the front of the cassette down motor work gear, and turn it in clockwise direction to remove the cassette. (Take care that the tape is not caught when the cassette lid closes.)

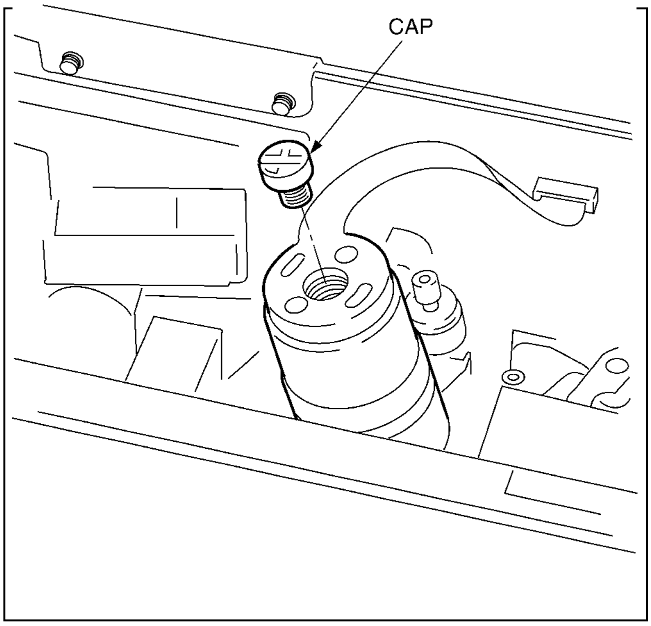


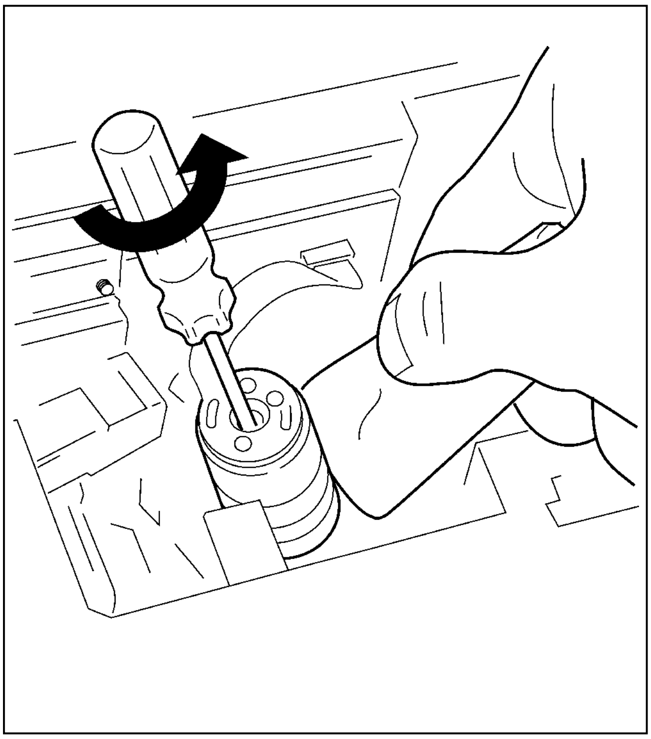
6. CYLINDER HEAD CLEANING METHOD

The cylinder head of this unit has a 3-piece construction (top, center, and bottom), and only the center cylinder with the installed head chip rotates. Accordingly, head cleaning must be performed while rotating only the center cylinder according to the following method.

NOTE: At the time of cleaning, use sufficient care not to touch the head or the cleaning roller with bare hands.

1. Switch off the power and remove the upper cover.
2. Use a flat screwdriver to remove the white cap from the upper part of the cylinder, taking care not to drop it. (Refer to the following figure.)
3. Push a cleaning cloth lightly against the center cylinder (the part where the head chip is installed), insert a flat screwdriver into the hole at the center of the cylinder, and turn the center cylinder (the part where the head chip is installed) in counterclockwise direction to perform cleaning.





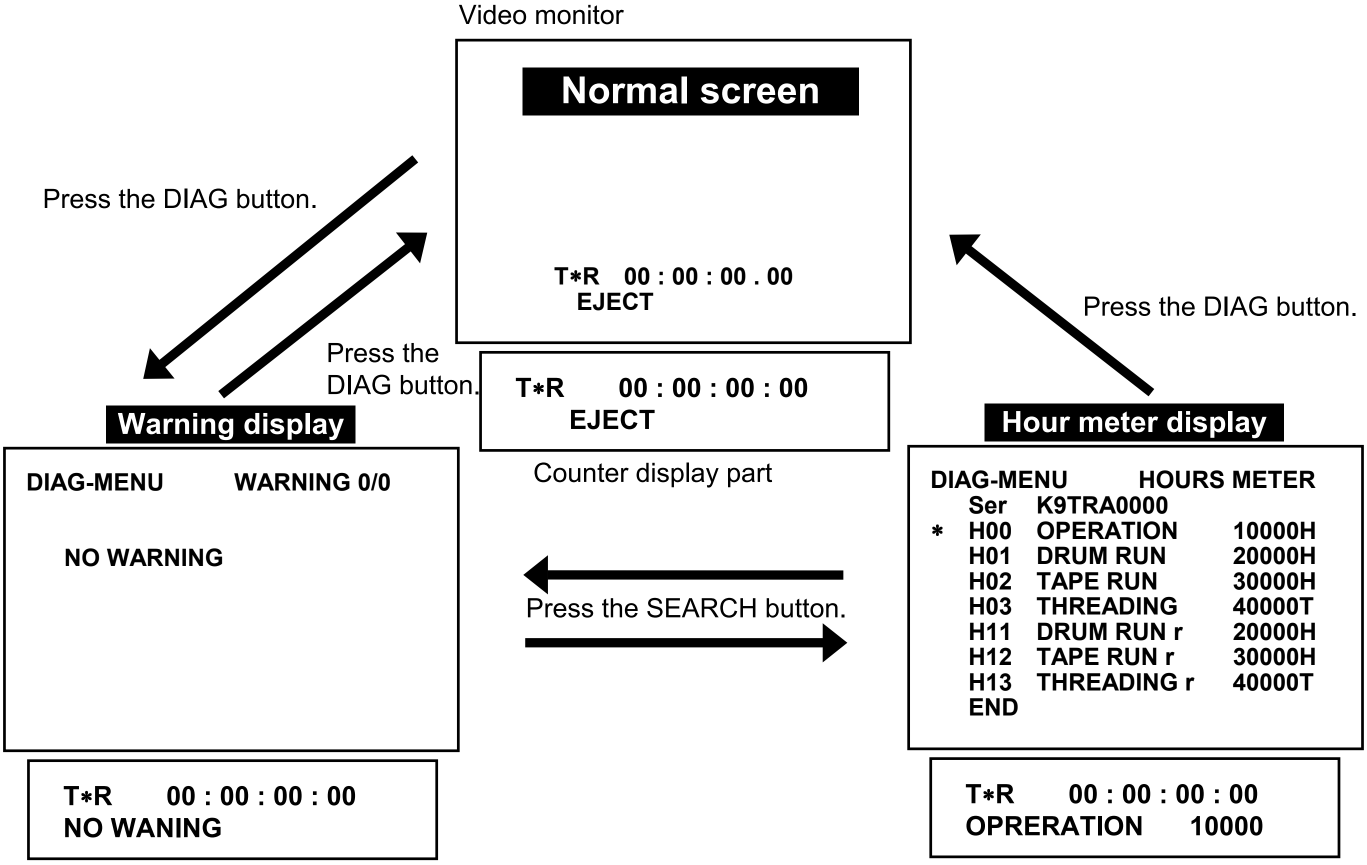
NOTE: Before inserting the screwdriver into the cylinder, confirm that the center cylinder is stopped.
Take care that the screwdriver exerts no excessive force onto the cylinder unit when it is inserted.

7. DIAG-MENU DISPLAY

The **DIAG-MENU** is the menu for investigating the status of the VTR, and it has the warning display (WARNING) and the hour meter display (HOURS METER).

7-1. DIAG-MENU Operation Method

1. Open the door at the lower part of the front panel and press the “**DIAG**” button.
2. “**DIAG-MENU**” will be displayed on the video monitor (VIDEO OUT3, HD SDI 3, SD SDI 3) and on the counter display (front panel).
3. The display switches between the warning information and the hour meter information each time the **search button** is pressed.
4. When the “**DIAG**” button is pressed again, return is made to the normal screen.


Video monitor
Normal screen
Press the DIAG button.
Press the DIAG button.
Press the DIAG button.
Counter display part
Warning display
Hour meter display
Press the SEARCH button.

```
T*R   00 : 00 : 00 . 00
  EJECT
```

```
T*R      00 : 00 : 00 : 00
    EJECT
```

```
DIAG-MENU          WARNING 0/0

    NO WARNING
```

```
T*R      00 : 00 : 00 : 00
NO WANING
```

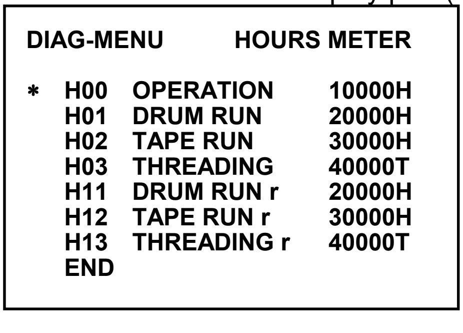
```
DIAG-MENU          HOURS METER
    Ser   K9TRA0000
*   H00   OPERATION       10000H
    H01   DRUM RUN        20000H
    H02   TAPE RUN        30000H
    H03   THREADING       40000T
    H11   DRUM RUN r      20000H
    H12   TAPE RUN r      30000H
    H13   THREADING r     40000T
    END
```

```
T*R      00 : 00 : 00 : 00
OPRERATION      10000
```

Please refer to section 1, the operating instructions, in regard to the WARNING display (information).

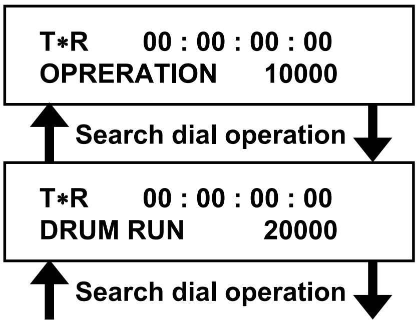
7-2. Hour Meter Display

1. When the search dial is turned during hour meter display, the operation hours for each item can be confirmed on the counter display part (front panel).



```
DIAG-MENU          HOURS METER

*   H00   OPERATION       10000H
    H01   DRUM RUN        20000H
    H02   TAPE RUN        30000H
    H03   THREADING       40000T
    H11   DRUM RUN r      20000H
    H12   TAPE RUN r      30000H
    H13   THREADING r     40000T
    END
```

Video monitor


Search dial operation
Search dial operation

```
T*R      00 : 00 : 00 : 00
OPRERATION      10000
```

```
T*R      00 : 00 : 00 : 00
DRUM RUN         20000
```

Counter display part (front panel)

7-3. How to Reset Hour Meter

1. Eject a cassette Tape.
2. Turn off the main power.
3. Set **SW6343-1** on the SYSCON board “**ON**”.
4. Turn on the main power.
5. Push the “**DIAG**” botton.
6. Push the “**SERCH**” button.
7. After the following figure displayed adjust “∗” to the item to reset. (only **H11, H12, H13** with **“r”** can be reset)
8. Push the “**RESET**” button to display the figure shown right below.
9. Push the “**PLAY**” button to reset the selected item.
10. Set **SW6343-1** on the SYSCON board “**OFF**”.

```
DIAG-MENU        HOURS METER

*  H00  OPERATION      10000H
   H01  DRUM RUN       20000H
   H02  TAPE RUN       30000H
   H03  THREADING      40000T
   H11  DRUM RUN r     20000H
   H12  TAPE RUN r     30000H
   H13  THREADING r    40000T
   END
```

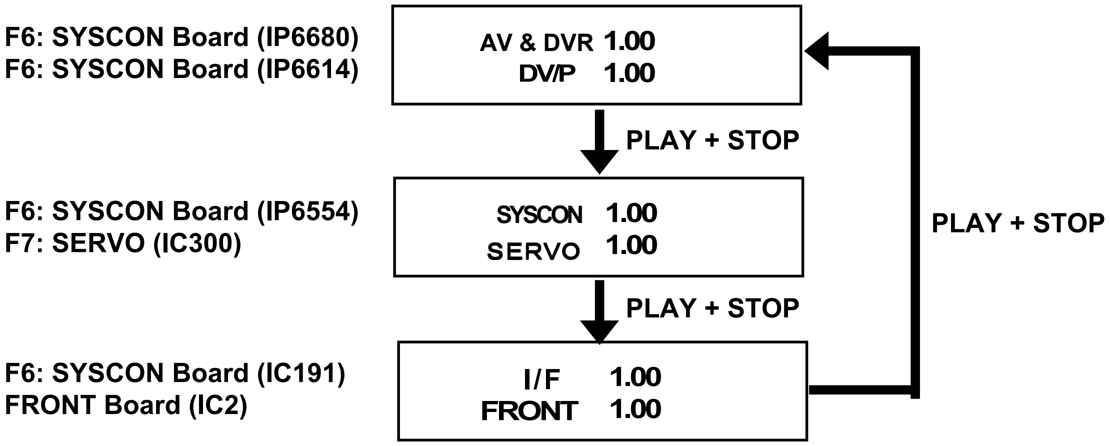
→

```
        HOURS METER INIT SET


        DRUM RUN r OK?
         YES<PLAY>/NO<STOP>
```

8. SOFTWARE VERSION DISPLAY

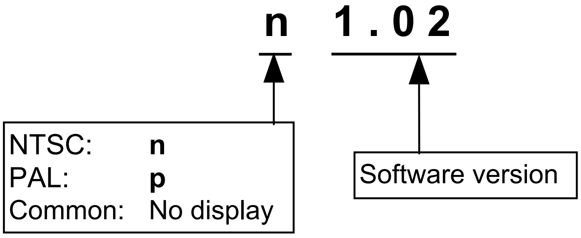
8-1. Version Display Operation Procedure

1. Press the “**EJECT**” button. (If a tape is inserted, eject it.)
2. When the “**PLAY**” button and the “**STOP**” button are pressed simultaneously, the version will be displayed on the counter display part (front panel) while these buttons are being pressed.
3. When the “**PLAY**” button and the “**STOP**” button are pressed again, the software version for each item can be confirmed.


F6: SYSCON Board (IP6680)
F6: SYSCON Board (IP6614)
AV & DVR 1.00
DV/P 1.00
PLAY + STOP
F6: SYSCON Board (IP6554)
F7: SERVO (IC300)
SYSCON 1.00
SERVO 1.00
PLAY + STOP
PLAY + STOP
F6: SYSCON Board (IC191)
FRONT Board (IC2)
I/F 1.00
FRONT 1.00

Counter display part (front panel)

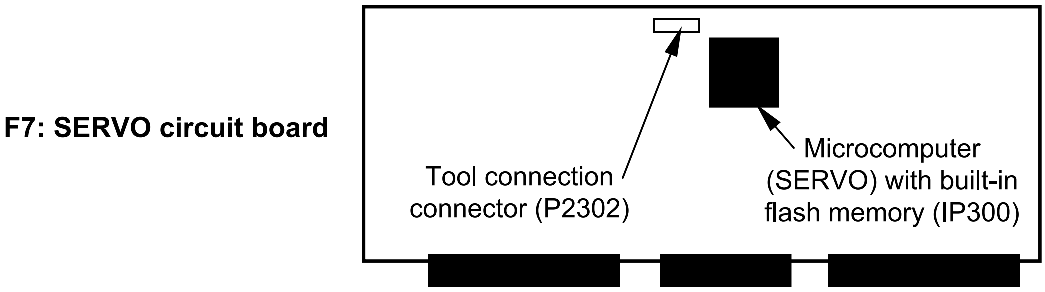
8-2. How to Read the Version Display


n 1 . 0 2
NTSC: n
PAL: p
Common: No display
Software version

9. SOFTWARE VERSION UPGRADE METHOD

9-1. Version Upgrade for the Built-in SERVO Microcomputer with Flash Memory

The SERVO microcomputer of the **F1: SERVO** circuit board has a built-in flash memory. For the software version up, connect the "**Flash memory version up tool (VFK1304A)**" to the tool connection connector and use the "**Servo version up software (VFK1503)**" according to the following procedure.


F7: SERVO circuit board
Tool connection connector (P2302)
Microcomputer (SERVO) with built-in flash memory (IP300)

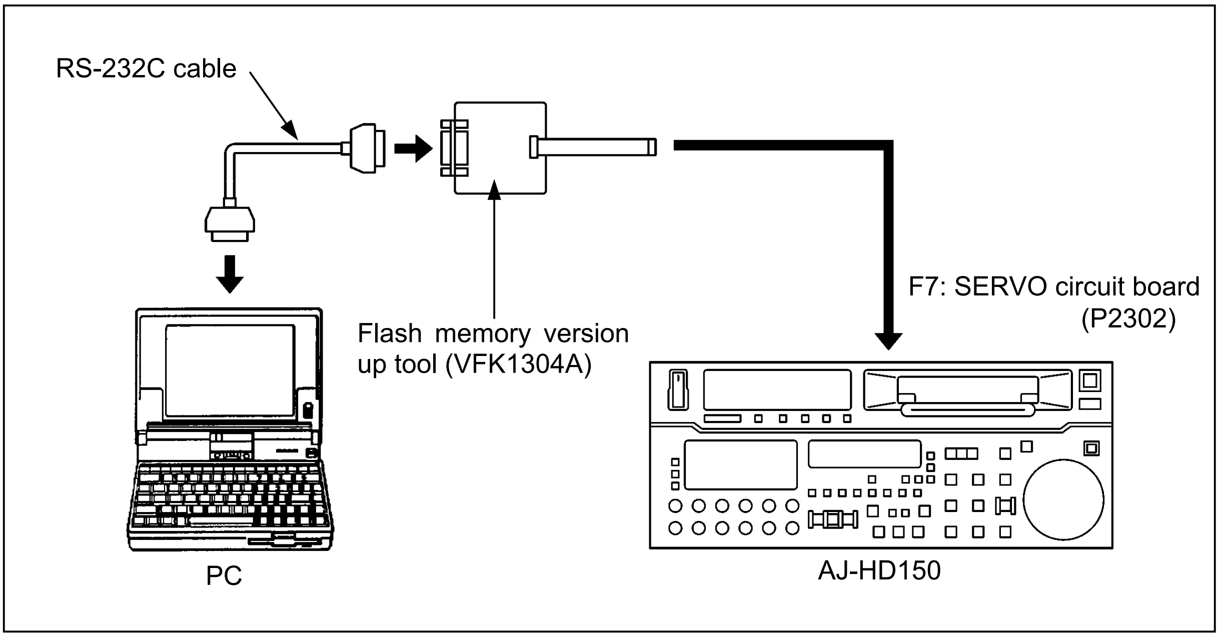
1. Prepare a personal computer (MS-DOS, Windows 95 or 98).
2. Copy the servo version up software (VFK1503) and the new servo microcomputer software into the same directory of the personal computer. (The following four types of software.)

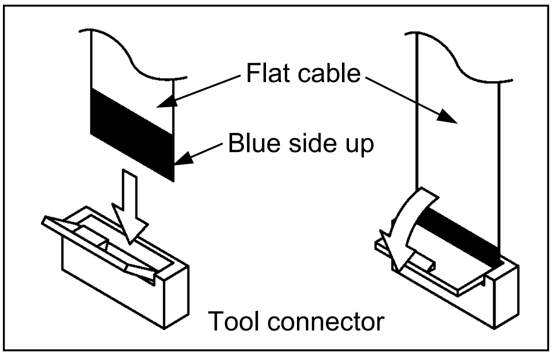
Version up software (VFK1503)	**"fw103u.exe"**
Servo microcomputer software	**"vsiXXXX.obf"**
	"vsiXXXX.bat"
	"vsiXXXX.ex"

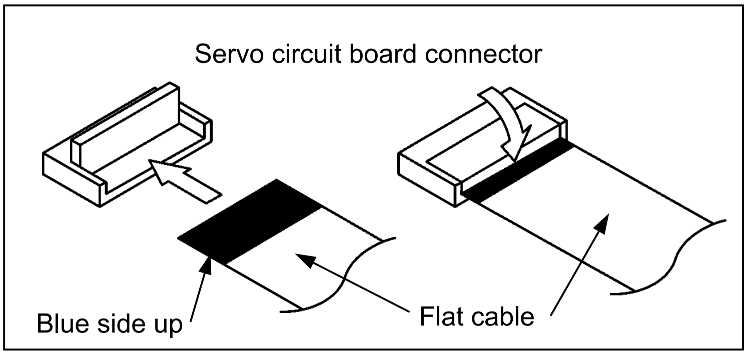
3. Confirm the switch settings for the "Flash memory version up tool (VFK1304A)".

SW1-1: ON	**SW1-3: OFF**
SW1-2: ON	**SW1-4: OFF**

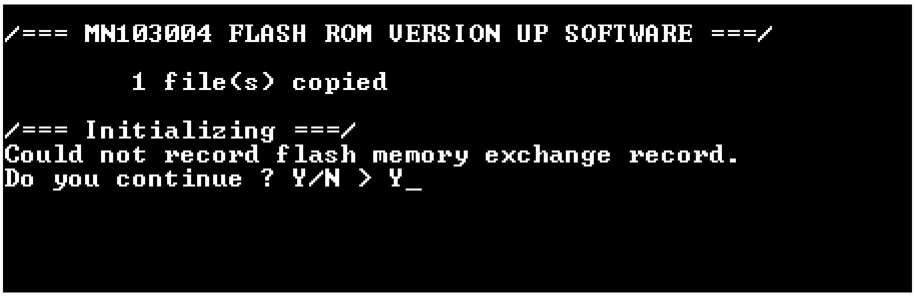
4. Connect the AJ-D960, the "Flash memory version up tool (VFK1304A)", and the personal computer as shown below. Take care not to confuse the connection direction (rear, front) for the flat cable of the tool (VFK1304A).


RS-232C cable
Flash memory version up tool (VFK1304A)
F7: SERVO circuit board (P2302)
PC
AJ-HD150



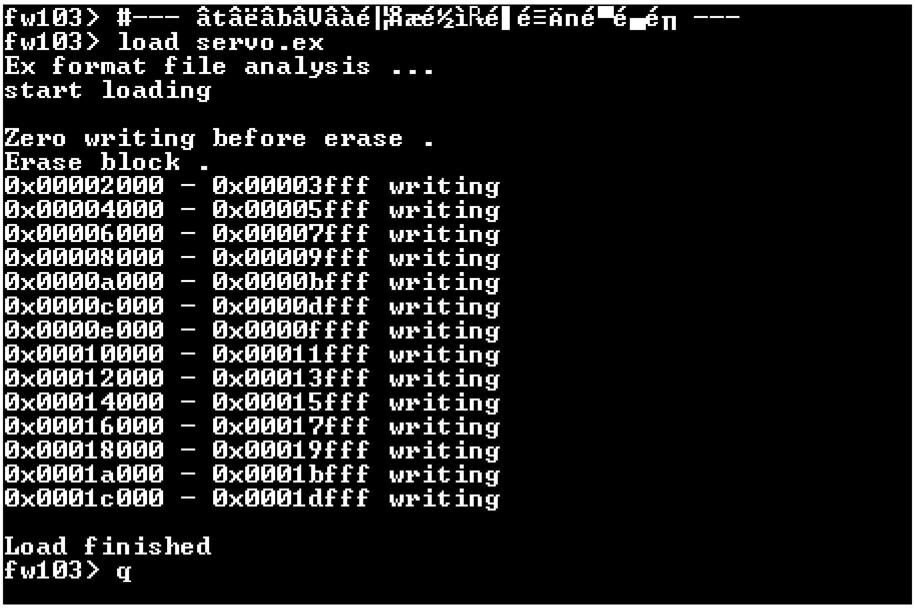


5. Switch on the AJ-HD150 power.
6. Execute the “**VSIXXX.bat**” copied to the personal computer. If can be completed also directly on Windows. (During execution, the file “servo.exe” will be created, but this may be left in the directory without any problems.)
7. When the following screen is displayed, enter “Y” and press “**ENTER**”. (During program writing, the progress is shown on the display of the personal computer.)



```
/=== MN103004 FLASH ROM VERSION UP SOFTWARE ===/

        1 file(s) copied

/=== Initializing ===/
Could not record flash memory exchange record.
Do you continue ? Y/N > Y_
```

8. Writing has been completed when the following screen appears.



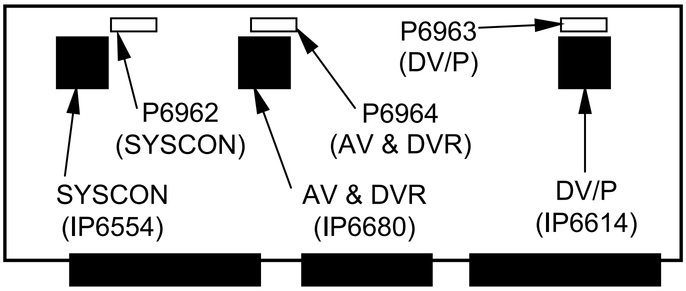
```
fw103> #--- âtâëâbâVâàé│Ñæé½ìRé▌é≡Äné▀é▄éπ ---
fw103> load servo.ex
Ex format file analysis ...
start loading

Zero writing before erase .
Erase block .
0x00002000 - 0x00003fff writing
0x00004000 - 0x00005fff writing
0x00006000 - 0x00007fff writing
0x00008000 - 0x00009fff writing
0x0000a000 - 0x0000bfff writing
0x0000c000 - 0x0000dfff writing
0x0000e000 - 0x0000ffff writing
0x00010000 - 0x00011fff writing
0x00012000 - 0x00013fff writing
0x00014000 - 0x00015fff writing
0x00016000 - 0x00017fff writing
0x00018000 - 0x00019fff writing
0x0001a000 - 0x0001bfff writing
0x0001c000 - 0x0001dfff writing

Load finished
fw103> q
```

9. Switch off the AJ-HD150 power and disconnect the connected cable.

9-2. Version Upgrade for a Microcomputer with Built-in A/V, DV Flash Memory

The microcomputer (A/V & DVR, DVP, DV/P) of the circuit board **F6: SYSCON** has built-in flash memory. For the software version up, connect the "**Flash memory version up tool (VFK1304A)**" to the tool connection connector and use the "**Flash memory version up software (VFK1248E)**".

F6: SYSCON circuit board



9-2-1. Version Upgrade Preparations

1. ***Items required for flash memory writing***

   Flash memory version up software ······································ **VFK1248E**
   NOTE: Software with the old version (VFK1248A) can not be used.
   Flash memory version up tool ·· **VFK1304A**
   Personal computer compatible with Windows 95/98
   RS-232C cable (9-pin cross-cable)

2. ***Installation of the flash memory version up software***

   Copy the following file to any directory on a personal computer compatible with Windows 95/98. (After execution of the software, an ".INI" file will be created in the same directory as the program file, but this may be left or may be deleted as desired.)

   Program file················ **VSI2312E.EXE**

3. ***Setting of the flash memory version up tool***

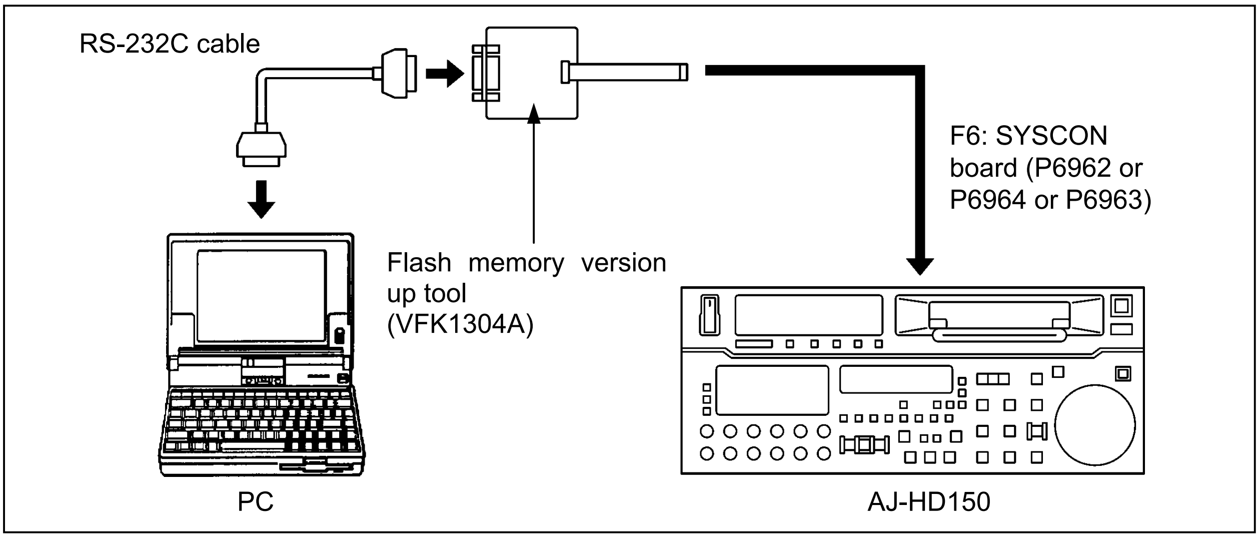
   Confirm the switch settings of the "flash memory version up tool (VFK1304A)".

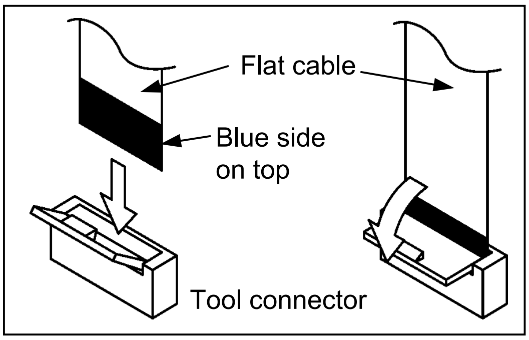
   SW1-1: ON **SW1-3: OFF**
   SW1-2: ON **SW1-4: OFF**

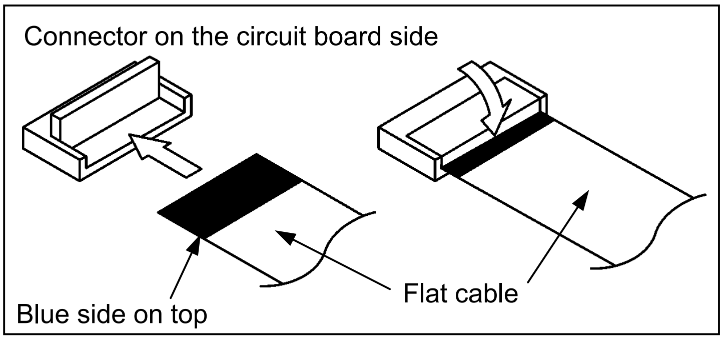
4. ***Connection of the flash memory version up tool***

   Switch off the power for the AJ-HD150 and the personal computer and then connect them as shown in the following figure. Take care not to confuse the connection direction (top, bottom) for the flat cable of the flash memory version up tool (VFK1304A).

   NOTE: When the "flash memory version up tool (VFK1304A)" has been connected correctly to the AJ-HD150, **"INITIAL SET"** will be displayed on the counter display part of the front panel after the power has been switched on.

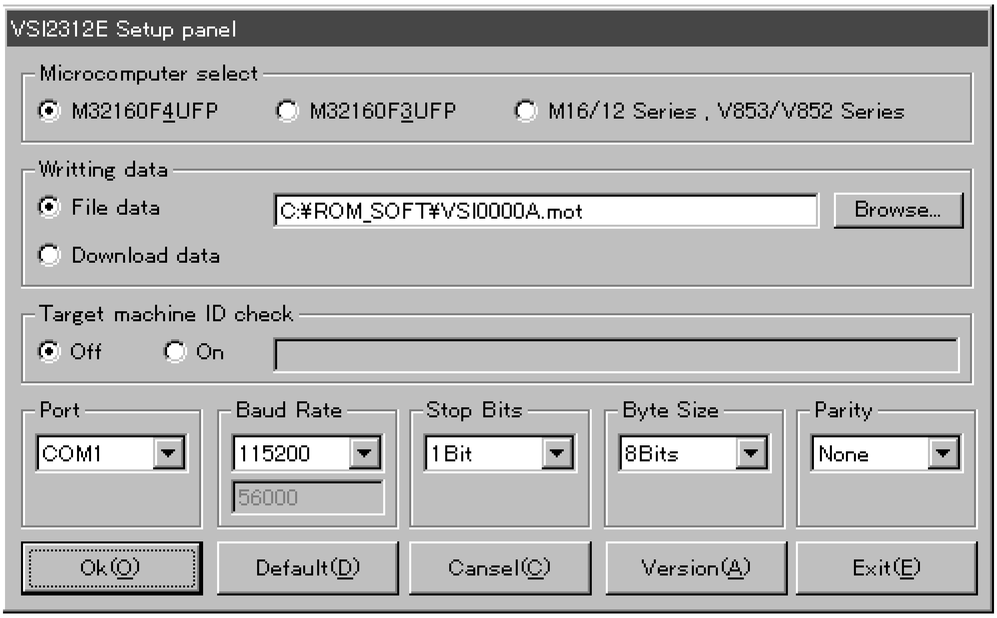

RS-232C cable
F6: SYSCON board (P6962 or P6964 or P6963)
Flash memory version up tool (VFK1304A)
PC
AJ-HD150


Flat cable
Blue side on top
Tool connector


Connector on the circuit board side
Blue side on top
Flat cable

9-2-2. Version Upgrade Procedure

1. Start the personal computer in the condition where "**9-2-1. Version Upgrade Preparations**" has been completed.
2. Switch on the power for the AJ-HD150.
3. Start the flash memory version up software.
   (Double-click the program file "**VSI2312E.EXE**", which had been copied to any directory, or create a shortcut to "**VSI2312E.EXE**" and double-click the shortcut.)
4. When this program is started, the "Setup Panel" will open as shown below.



VSI2312E Setup panel

Microcomputer select
● M32160F4UFP ○ M32160F3UFP ○ M16/12 Series , V853/V852 Series

Writting data
● File data C:¥ROM_SOFT¥VSI0000A.mot
○ Download data

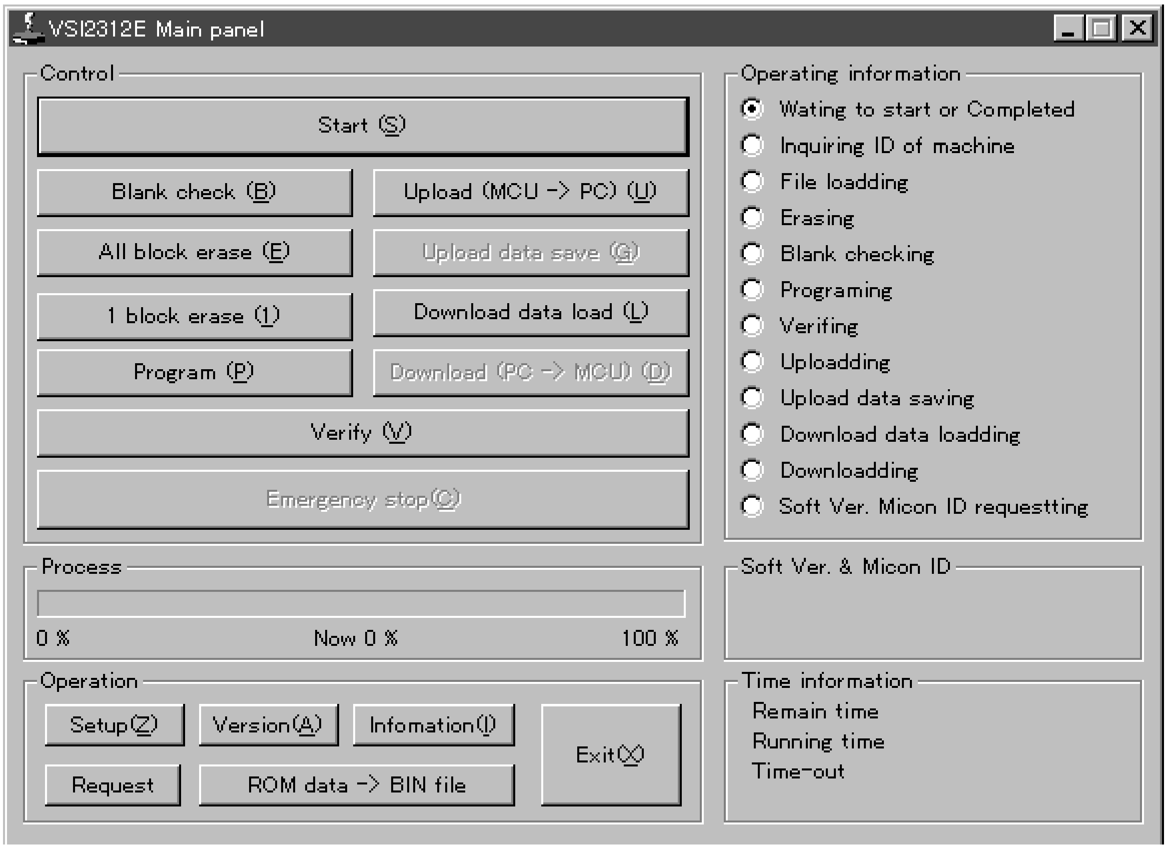
Target machine ID check
● Off ○ On

Port: COM1
Baud Rate: 115200 (56000)
Stop Bits: 1Bit
Byte Size: 8Bits
Parity: None

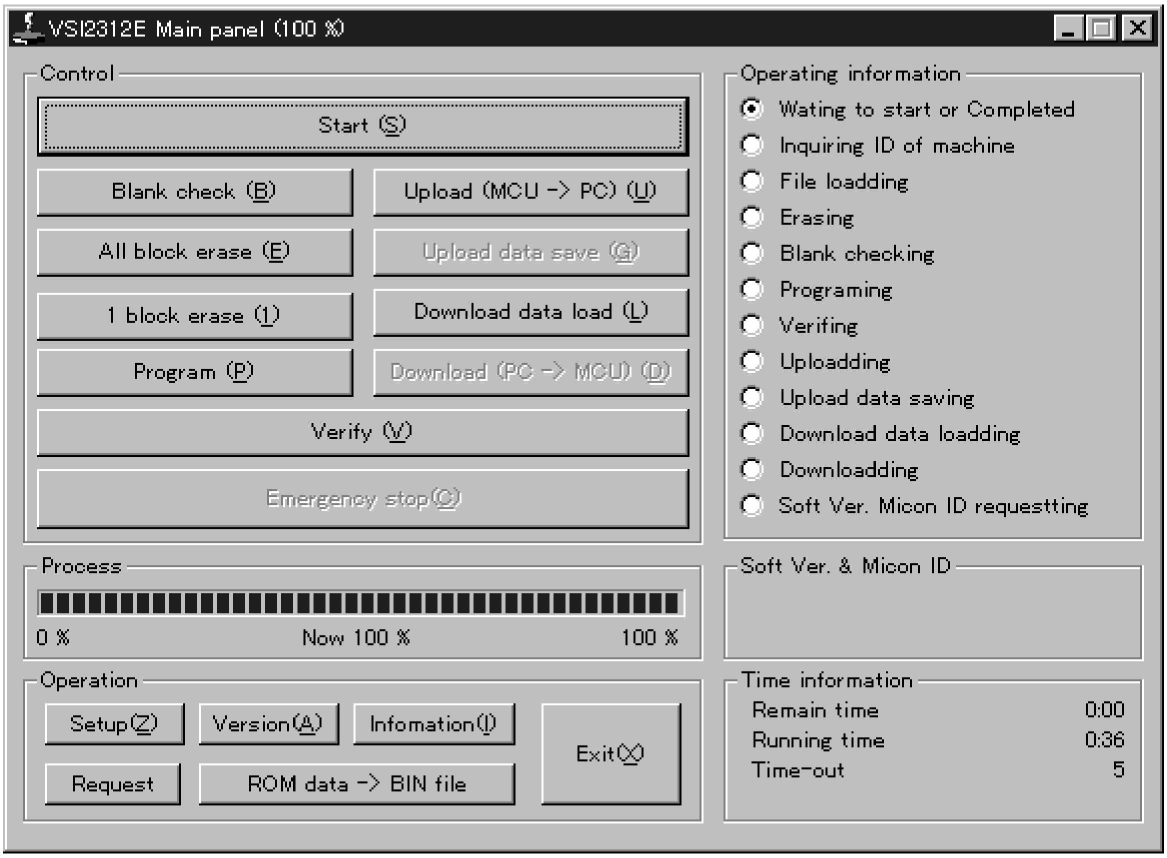
Browse...
Ok(O)
Default(D)
Cansel(C)
Version(A)
Exit(E)

5. Perform the following settings on the “**Setup Panel**”.
    - Microcomputer select ··············**M32160F4UFP**
    - Writing data ······················**File data**
      Enter the new software (XXXX.mot) for the version upgrade with the full path. You can also use the “Browse...” button on the “Setup Panel” to select the file name and the location of the new software.
    - Port ························Set the port to which the RS-232C cable of the personal computer is connected.
    - Baud Rate·························**115200**
    - Stop Bits ························**1Bit**
    - Byte Size·························**8Bits**
    - Parity····························**None**

6. When the settings on the “**Setup Panel**” have been completed, click “**Ok(O)**”. The “**Main Panel**” will be opened as shown below.


VSI2312E Main panel
Control
Start (S)
Blank check (B)
Upload (MCU -> PC) (U)
All block erase (E)
Upload data save (G)
1 block erase (1)
Download data load (L)
Program (P)
Download (PC -> MCU) (D)
Verify (V)
Emergency stop(C)
Operating information
● Wating to start or Completed
○ Inquiring ID of machine
○ File loadding
○ Erasing
○ Blank checking
○ Programing
○ Verifing
○ Uploadding
○ Upload data saving
○ Download data loadding
○ Downloadding
○ Soft Ver. Micon ID requestting
Process
0 %
Now 0 %
100 %
Soft Ver. & Micon ID
Operation
Setup(Z)
Version(A)
Infomation(I)
Exit(X)
Request
ROM data -> BIN file
Time information
Remain time
Running time
Time-out

7. Click “**Start (S)** ” on the “**Main Panel**”. (If you want to quit here, click “**Exit**”. If you want to return again to the “**Setup Panel**”, click “**Setup(Z)**”.)
8. After erasing of the flash memory, the new software will be written to the flash memory. During the processing, the progress status can be confirmed by means of the “**Process**” indicator. If the indicator should not advance for some reason, click “**Emergency stop(C)**” to stop the work, connect again, and confirm the settings.
9. When erasing and writing of the flash memory have been completed, the “Process” indicator reaches 100%, and a black dot appears for “**Wating to start or Complete**” of “**Operating information**”. (Next page)


VSI2312E Main panel (100 %)
Control
Start (S)
Blank check (B)
Upload (MCU -> PC) (U)
All block erase (E)
Upload data save (G)
1 block erase (1)
Download data load (L)
Program (P)
Download (PC -> MCU) (D)
Verify (V)
Emergency stop(C)
Operation
Setup(Z)
Version(A)
Infomation(I)
Exit(X)
Request
ROM data -> BIN file

Operating information

- ● Wating to start or Completed
- ○ Inquiring ID of machine
- ○ File loadding
- ○ Erasing
- ○ Blank checking
- ○ Programing
- ○ Verifing
- ○ Uploadding
- ○ Upload data saving
- ○ Download data loadding
- ○ Downloadding
- ○ Soft Ver. Micon ID requestting

Process

0 % Now 100 % 100 %

Soft Ver. & Micon ID

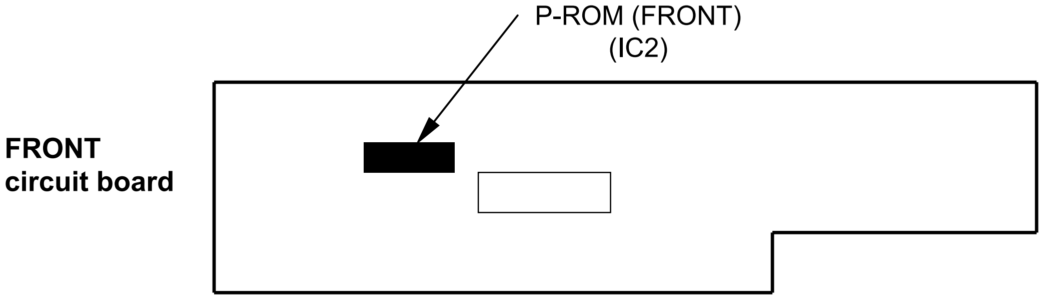
Time information

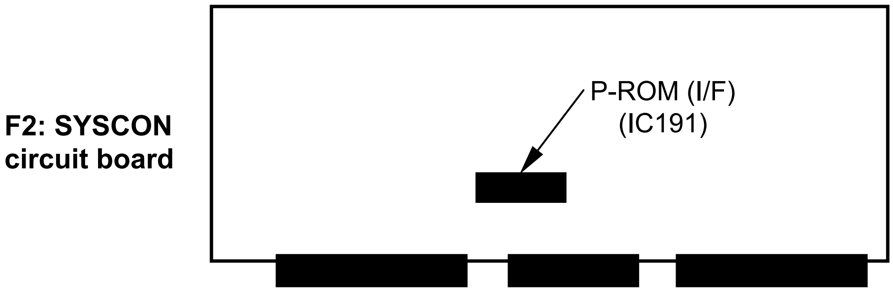
Remain time	0:00
Running time	0:36
Time-out	5

10. When the above status is reached, click “**Exit(X)** ” to end the program.
11. When the version upgrade has been completed, cut the AJ-HD150 power and remove the version up tool.
12. Switch on the AJ-HD150 power again and press the buttons “**PLAY**” and “**STOP**” at the front panel simultaneously to confirm that the version has been upgraded.

9-3. E-PROM (FRONT, I/F) Version Upgrade

The **FRONT** circuit board and the **F6: SYSCON** circuit board use an E-PROM (FRONT, I/F).
For the software version up, remove the E-PROM from the socket and insert an E-PROM with the new version. (At the time of exchange of the E-PROM of the FRONT circuit board, the front panel must be removed from the unit, and then the back cover must be removed.)


P-ROM (FRONT)
(IC2)
FRONT
circuit board

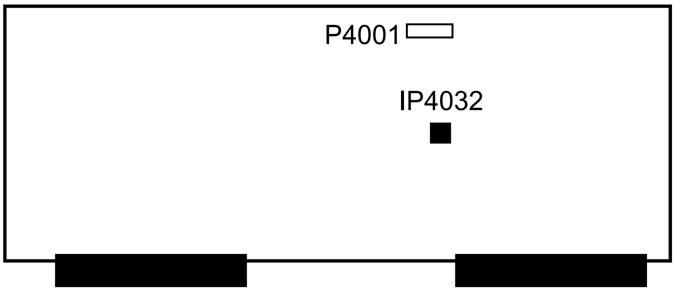

F2: SYSCON
circuit board
P-ROM (I/F)
(IC191)

9-4. PLD Version Upgrade Procedure

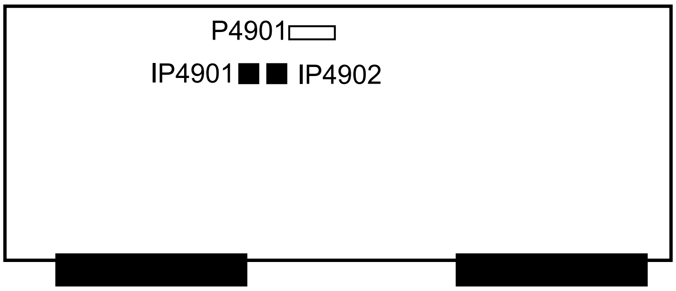
The AJ-HD150 uses PLD. At the time of a version upgrade, use the special tool, connect the respective connection connectors, and use the PLD writing software.

Board	PLD Writer Connection Connector	Number of pins	Manufacture	Quantity
F1: A ADDA	P4001	8P	ALTERA	1
F2: A PROC	P4901	8P	ALTERA	2
A JOG	P600	8P	ALTERA	3
F3: REC P/B	P10	8P	XILINX	11
F4: V PROC	P4	8P	ALTERA	1
F5: SDI	P5	8P	XILINX	6
F6: SYSCON	P6452	8P	XILINX	2
F7: SERVO	P2400	8P	XILINX	2

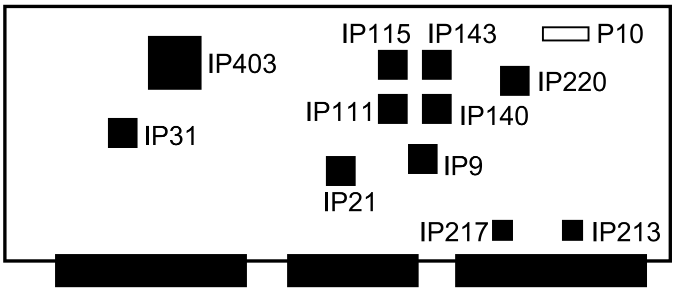
F1: A ADDA Board


P4001
IP4032

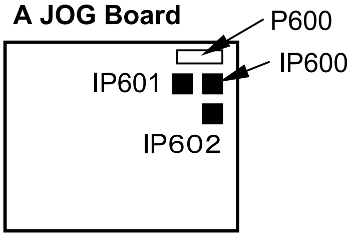
F2: A PROC Board


P4901
IP4901
IP4902

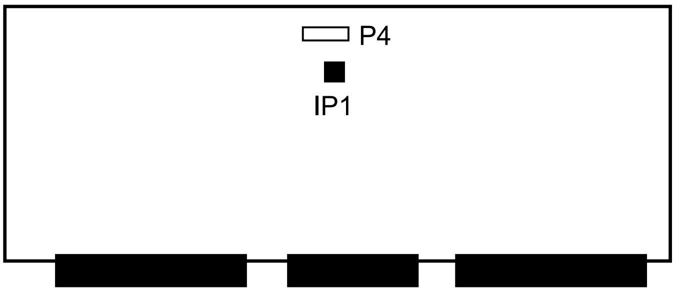
F3: REC/PB Board


IP115
IP143
P10
IP403
IP220
IP111
IP140
IP31
IP9
IP21
IP217
IP213

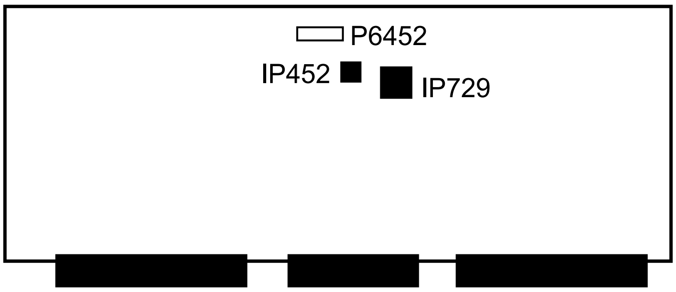
A JOG Board


P600
IP600
IP601
IP602

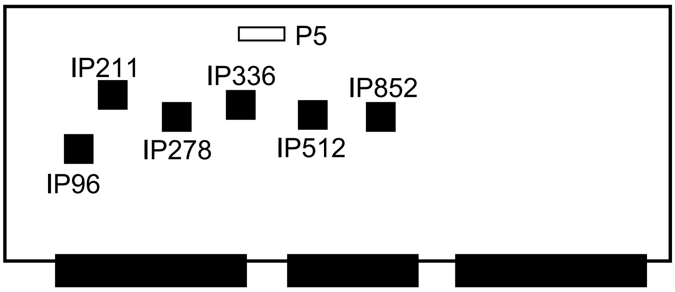
F4: V PROC Board



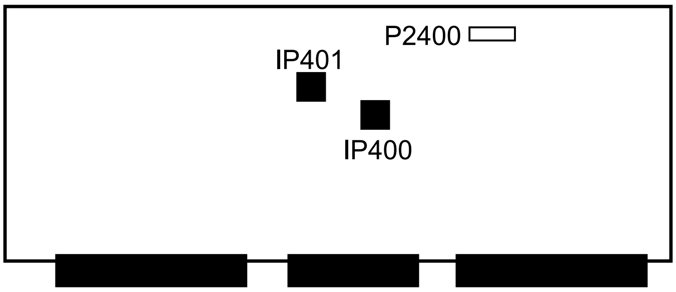
F6: SYSCON Board


P6452
IP452
IP729

F5: SDI Board


P5
IP211
IP336
IP852
IP278
IP512
IP96

F7: SERVO Board


P2400
IP401
IP400

9-4-1. Version Upgrade procedure of PLD (ALTERA)

<Preparation>

1. Following items are required for version upgrade.

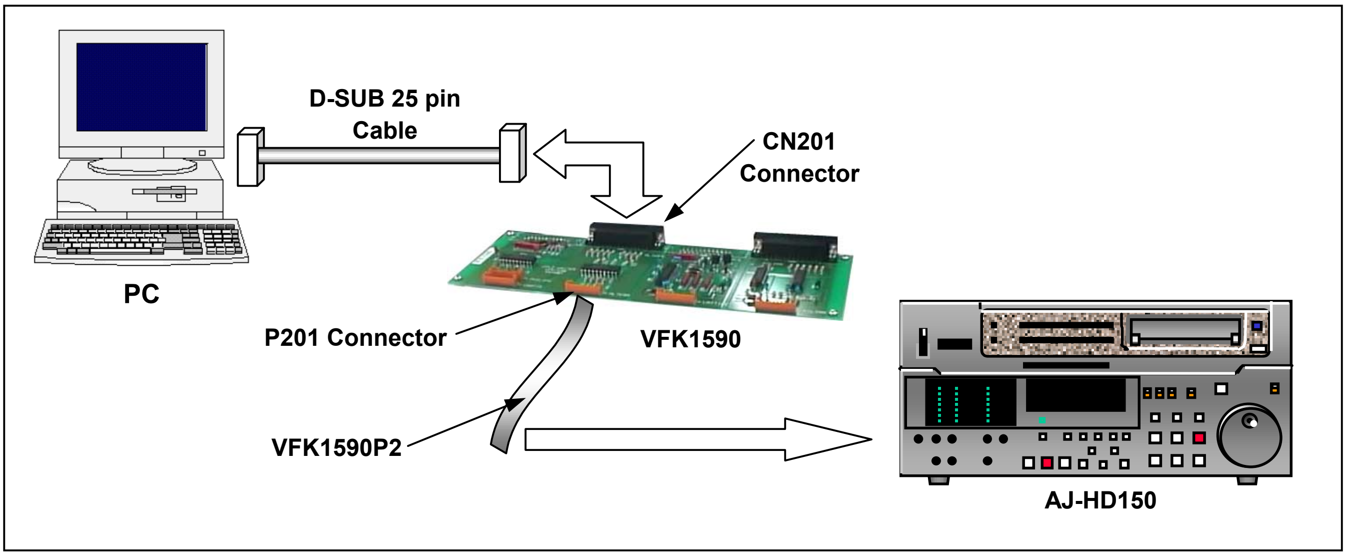
ITEM	REMARK
CPLD WRITER	VFK1590
D-sub 25pin-25pin Cable	Straight (Male – Famale), Length : within 1 meter
Version Upgrade Software	MAX+plus II Software (Please download from www.altera.com/support/device/programming/sup-asap2.html Then select “asap2.exe 9.6”)
Version Upgrade Data	tdf file (”VSIXXXX” include it)
Personal Computer	WINDOWS 95® or 98®

<Connection>

1. Connect the D-sub 25P cable between CN201(for ALTERA) connector of the CPLD WRITER and Personal Computer(Printer port).
2. Connect the CPLD WRITER cable(VFK1590P2) between respective connector (Please refer to chart on page INF3) and connector P201 on CPLD WRITER.

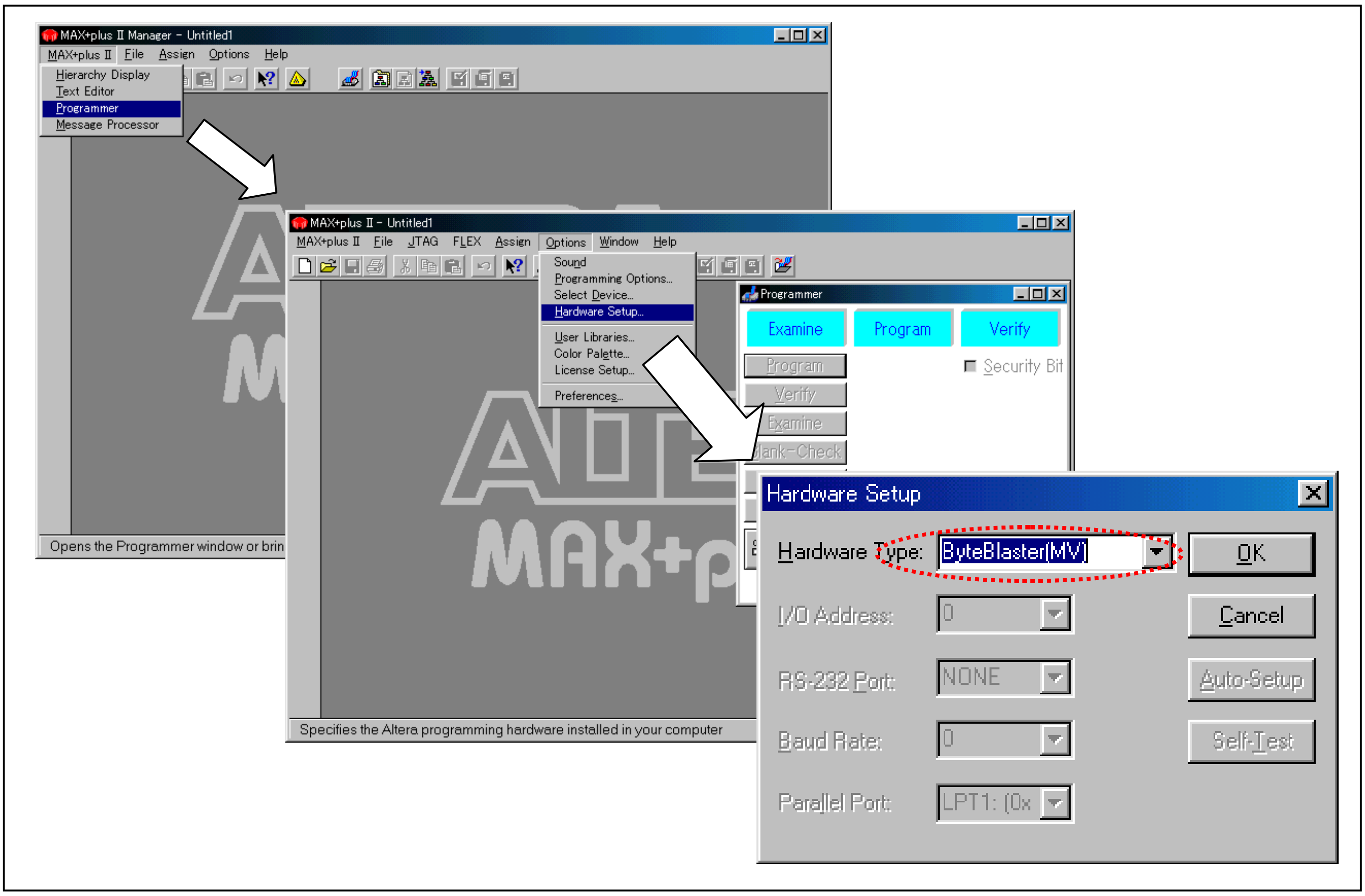
NOTE: VFK1590P2 is accessary with VFK1590 and it can be order as service part.

3. Turn on VTR and Personal Computer (Windows mode).



＜Boot up the Version Up Software and Version Up Procedure＞

1. Boot up the **“MAX+plus II 9.6 Programmer Only”** software from start menu of Windows.
    (1). On main window, select tab “MAX+plus II” and then “Programmer”.
    (2). On main window (Programmer window is displayed), select tab **“Option”** and then **“Hardware Setup”**.
    (3). On Hardware Setup dialog, set the **“Hradware Type”** to **“ByteBlaster(MV)”**.



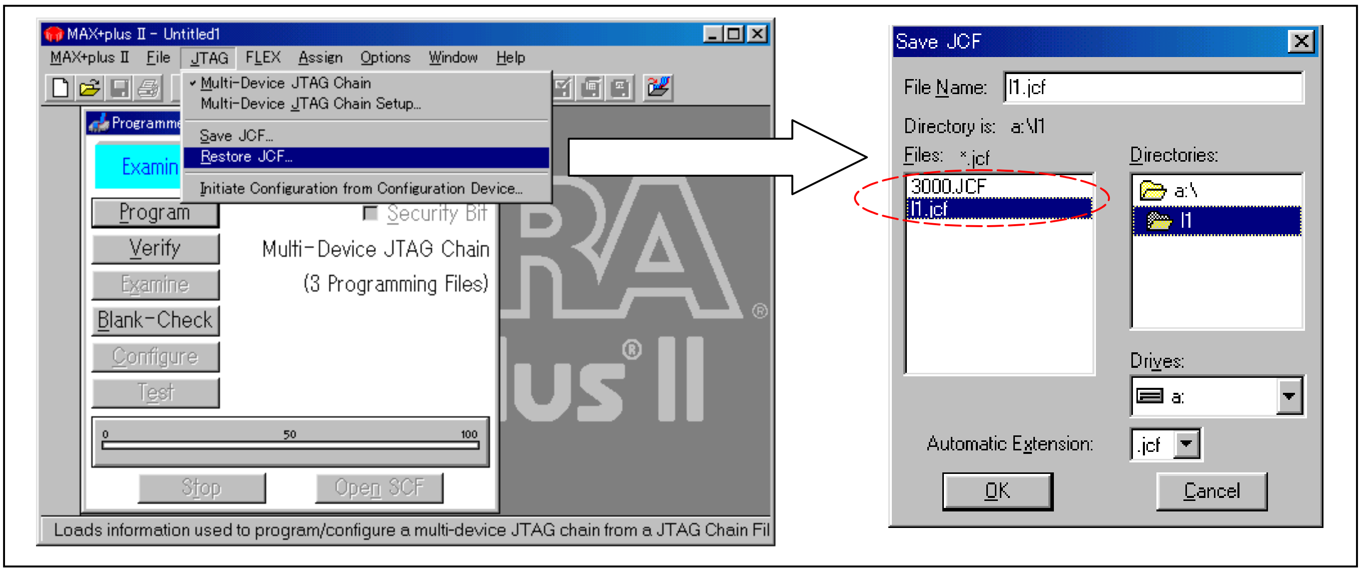
MAX+plus II Manager - Untitled1
MAX+plus II File Assign Options Help
Hierarchy Display
Text Editor
Programmer
Message Processor
MAX+plus II - Untitled1
MAX+plus II File JTAG FLEX Assign Options Window Help
Sound
Programming Options...
Select Device...
Hardware Setup...
User Libraries...
Color Palette...
License Setup...
Preferences...
Programmer
Examine
Program
Verify
Program
Verify
Examine
Blank-Check
Security Bit
Hardware Setup
OK
Cancel
Auto-Setup
Self-Test

Opens the Programmer window or brin

Specifies the Altera programming hardware installed in your computer

Hardware Type: ByteBlaster(MV)
I/O Address: 0
RS-232 Port: NONE
Baud Rate: 0
Parallel Port: LPT1: (0x

2. On main window, select tab **“JTAG”** and then **“Restore JCF”**.
3. On dialog of Save JCF, select the **“jcf”** format file (Chain file) and then press **“OK”** button.



MAX+plus II - Untitled1
MAX+plus II File JTAG FLEX Assign Options Window Help
Multi-Device JTAG Chain
Multi-Device JTAG Chain Setup...
Save JCF...
Restore JCF...
Initiate Configuration from Configuration Device...
Programmer
Examine
Program
Verify
Examine
Blank-Check
Configure
Test
Security Bit
0
50
100
Stop
Open SCF
Save JCF
OK
Cancel

Multi-Device JTAG Chain
(3 Programming Files)

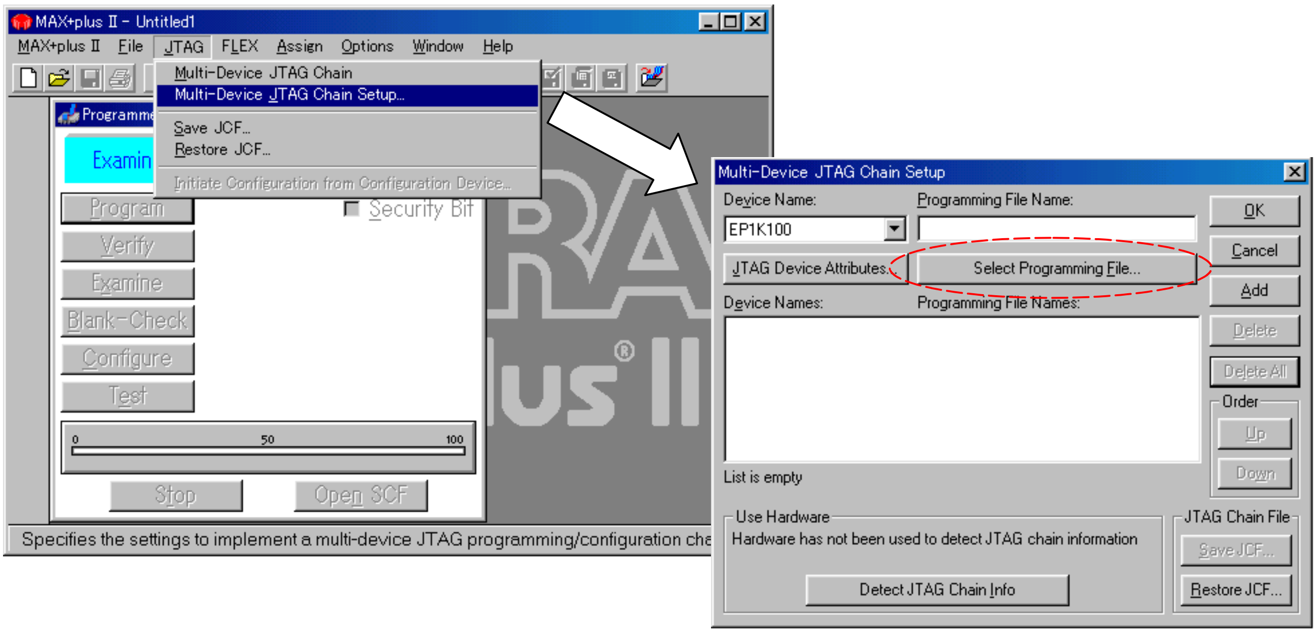
Loads information used to program/configure a multi-device JTAG chain from a JTAG Chain Fil

File Name: l1.jcf
Directory is: a:\l1
Files: *.jcf
3000.JCF
l1.jcf
Directories:
a:\
l1
Drives: a:
Automatic Extension: .jcf

<NOTE: How to create Chain file>

In case the some PLDs are installed on the board, those can be upgrade by chain file (jcf format) at once. If the chain file isn’t created, please create it by following procedure (ex. L1 board)

1. On main window, select tab **“JATG”** and then **“Multi-Device JATG Chain Setup”** for open **“Multi-Device JATG Chain Setup”** screen


MAX+plus II - Untitled1
MAX+plus II
File
JTAG
FLEX
Assign
Options
Window
Help
Multi-Device JTAG Chain
Multi-Device JTAG Chain Setup...
Save JCF...
Restore JCF...
Initiate Configuration from Configuration Device...
Programmer
Examine
Security Bit
Program
Verify
Examine
Blank-Check
Configure
Test
0
50
100
Stop
Open SCF
Multi-Device JTAG Chain Setup
Device Name:
Programming File Name:
OK
Cancel
JTAG Device Attributes...
Select Programming File...
Add
Device Names:
Programming File Names:
Delete
Delete All
Order
Up
Down
Use Hardware
JTAG Chain File
Save JCF...
Detect JTAG Chain Info
Restore JCF...

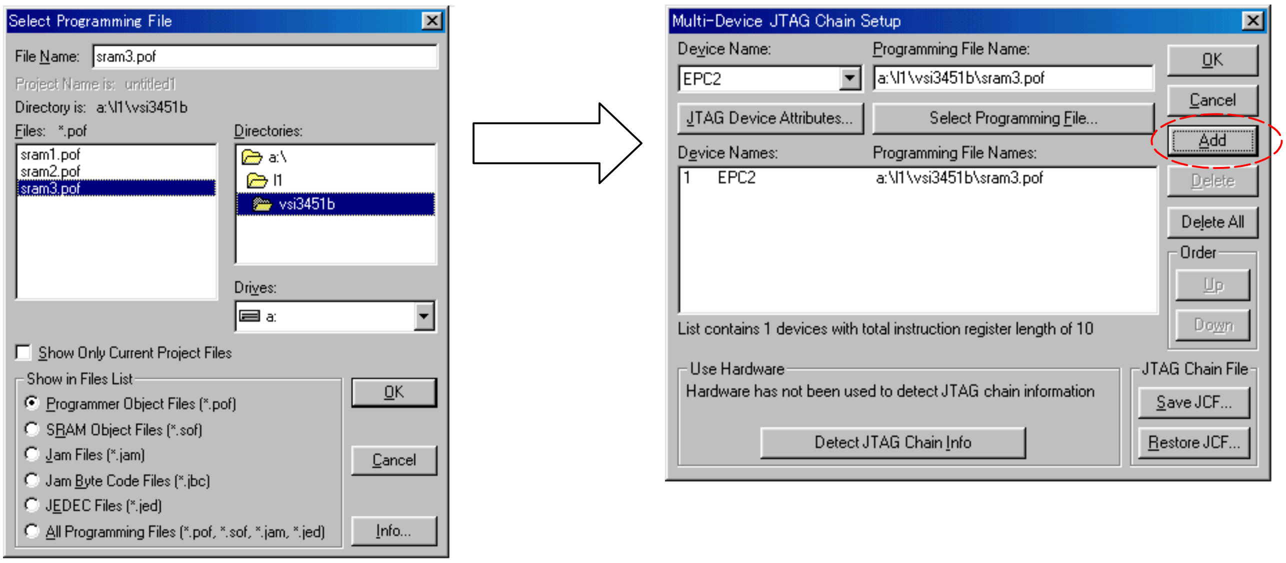
Specifies the settings to implement a multi-device JTAG programming/configuration cha

Device Name: EP1K100

List is empty

Hardware has not been used to detect JTAG chain information

2. Click the **“Select Program File”** button for open the **“Select Program File”** screen. And select the drive to select the **“pof”** file. In case of the 3 pieces of pof files, select the pof file from the biggest number of file and click **“OK”** button then **“Multi-Device JATG Chain Setup”** screen is displayed.
3. Click **“Add”** button on **“Multi-Device JATG Chain Setup”** screen.


Select Programming File
Directories:
a:\
l1
vsi3451b
Drives:
a:
Show Only Current Project Files
Show in Files List
Programmer Object Files (*.pof)
SRAM Object Files (*.sof)
Jam Files (*.jam)
Jam Byte Code Files (*.jbc)
JEDEC Files (*.jed)
All Programming Files (*.pof, *.sof, *.jam, *.jed)
OK
Cancel
Info...
Multi-Device JTAG Chain Setup
OK
Cancel
JTAG Device Attributes...
Select Programming File...
Add
Delete
Delete All
Order
Up
Down
Use Hardware
JTAG Chain File
Save JCF...
Detect JTAG Chain Info
Restore JCF...

File Name: sram3.pof

Project Name is: untitled1

Directory is: a:\l1\vsi3451b

Files: *.pof

sram1.pof
sram2.pof
sram3.pof

☐ Show Only Current Project Files

● Programmer Object Files (*.pof)

Device Name: EPC2

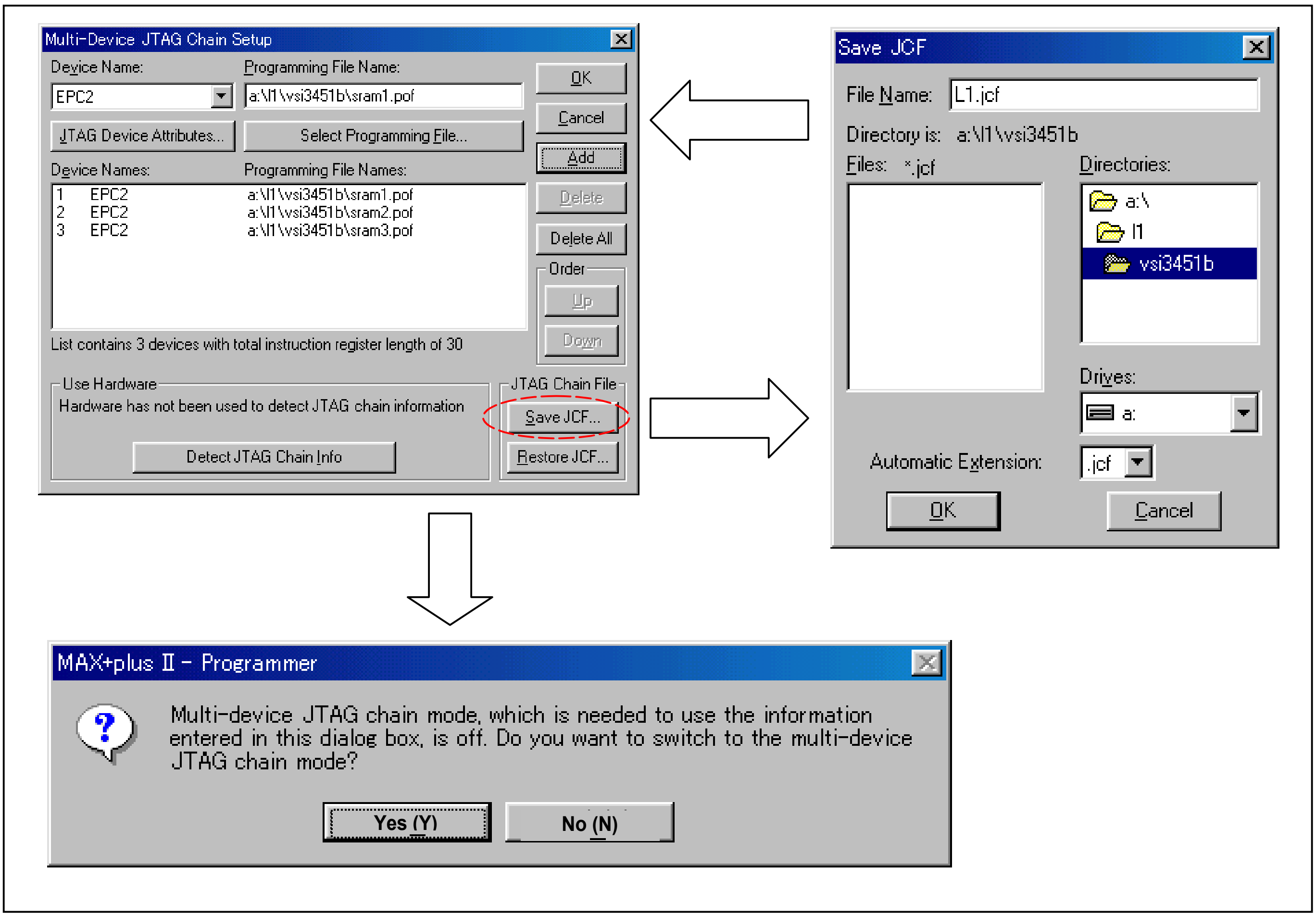
Programming File Name: a:\l1\vsi3451b\sram3.pof

Device Names:	Programming File Names:
1 EPC2	a:\l1\vsi3451b\sram3.pof

List contains 1 devices with total instruction register length of 10

Hardware has not been used to detect JTAG chain information

4. Repeat procedure of item 2 and 3 for copy the pof file.
5. Click **"JCF"** button and then open the **"Save JCF"** screen.
6. Input the File Name and click **"OK"** button, then return to **"Multi Device JATG Chain Setup"** screen.
7. Click **"OK"** button on **"Multi Device JATG Chain Setup"** screen, then the message appears to ask if you set to Multi Device JATG Chain mode or not. Please select **"Yes"**.



Multi-Device JTAG Chain Setup

Device Name: EPC2

Programming File Name: a:\l1\vsi3451b\sram1.pof

Device Names:		Programming File Names:
1	EPC2	a:\l1\vsi3451b\sram1.pof
2	EPC2	a:\l1\vsi3451b\sram2.pof
3	EPC2	a:\l1\vsi3451b\sram3.pof

List contains 3 devices with total instruction register length of 30

Use Hardware: Hardware has not been used to detect JTAG chain information

Save JCF

File Name: L1.jcf

Directory is: a:\l1\vsi3451b

Files: *.jcf

Directories: a:\ l1 vsi3451b

Drives: a:

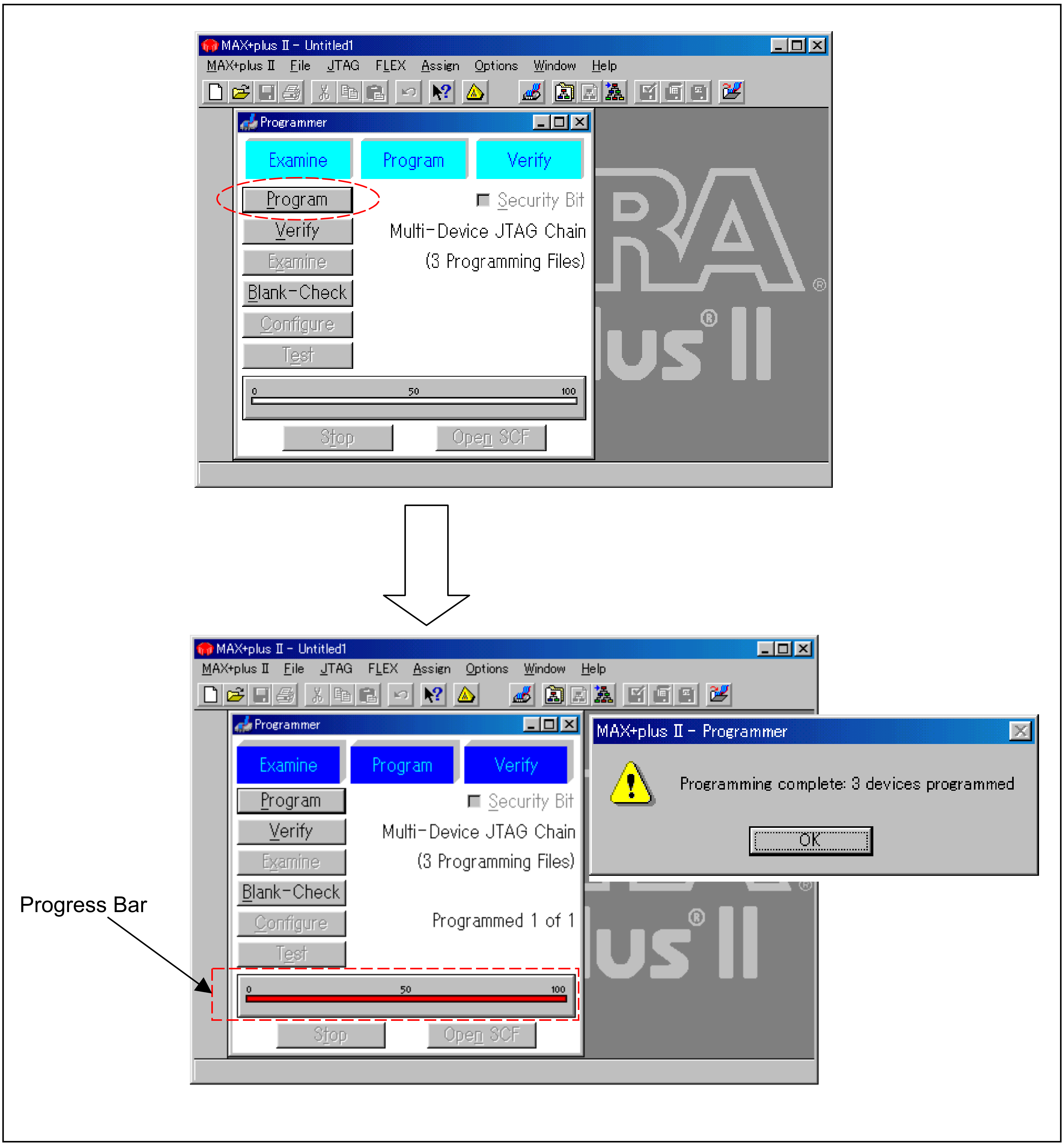
Automatic Extension: .jcf

MAX+plus II – Programmer

Multi-device JTAG chain mode, which is needed to use the information entered in this dialog box, is off. Do you want to switch to the multi-device JTAG chain mode?

OK
Cancel
Add
Delete
Delete All
Order
Up
Down
JTAG Device Attributes...
Select Programming File...
JTAG Chain File
Save JCF...
Restore JCF...
Detect JTAG Chain Info
OK
Cancel
Yes (Y)
No (N)

4. Click the **“Program”** button on **“Programmer”** dialog screen.
5. When Progress Bar reaches at the point of **“100”**, the message **“Program Complete”** appears, then PLD version upgrade is completed.
6. Click “OK” button on the **“Programming complete”** message dialog.


MAX+plus II - Untitled1
MAX+plus II
File
JTAG
FLEX
Assign
Options
Window
Help
Programmer
Examine
Program
Verify
Program
Verify
Examine
Blank-Check
Configure
Test
0
50
100
Stop
Open SCF
MAX+plus II - Programmer
OK

☐ Security Bit

Multi-Device JTAG Chain

(3 Programming Files)

Programmed 1 of 1

Programming complete: 3 devices programmed

Progress Bar

9-4-2. Version Upgrade procedure of PLD (XILINX)

＜Preparation＞

1. Following items are required for version upgrade.

ITEM	REMARK
CPLD WRITER	VFK1590
D-sub 25pin-25pin Cable	Straight (Male – Famale), Length : Within 1 meter
Version Upgrade Software	JTAG Programmer Software (Please download from www.xilinx.com)
Version Upgrade Data	CDF File (”VSIXXXX” include it)
Personal Computer	WINDOWS 95® or 98®

＜Connection＞

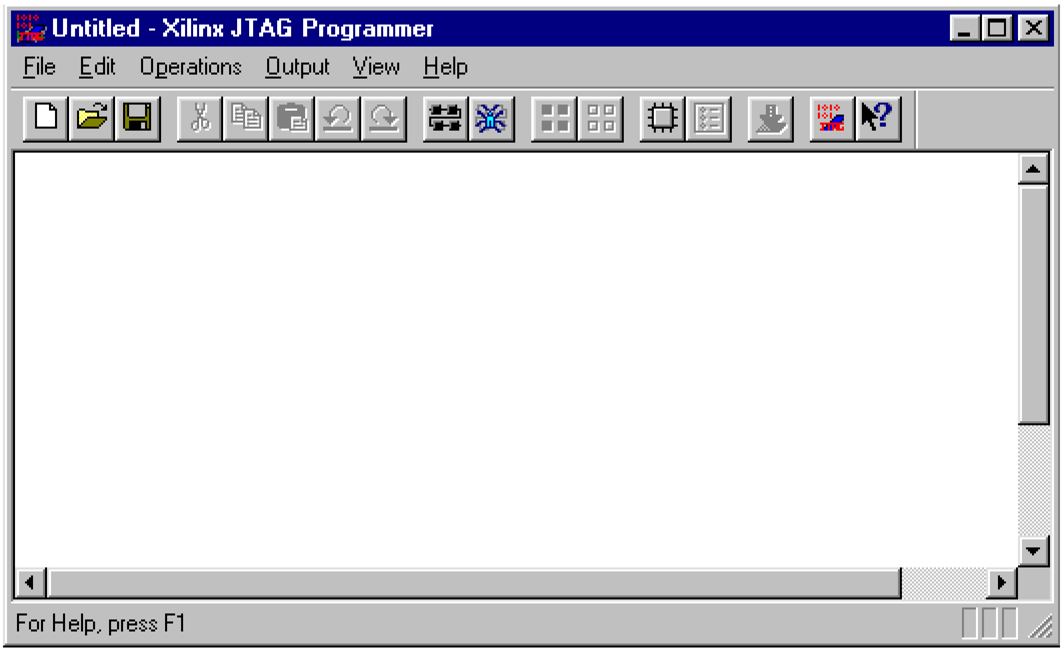
1. Connect the D-sub cable between CN401 connector of the CPLD WRITER and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P4) between respective connector (Please refer to chart on page INF21) and P4 connector of CPLD WRITER.

NOTE: VFK1590P2 is accessary with VFK1590 and it can be order as service part.

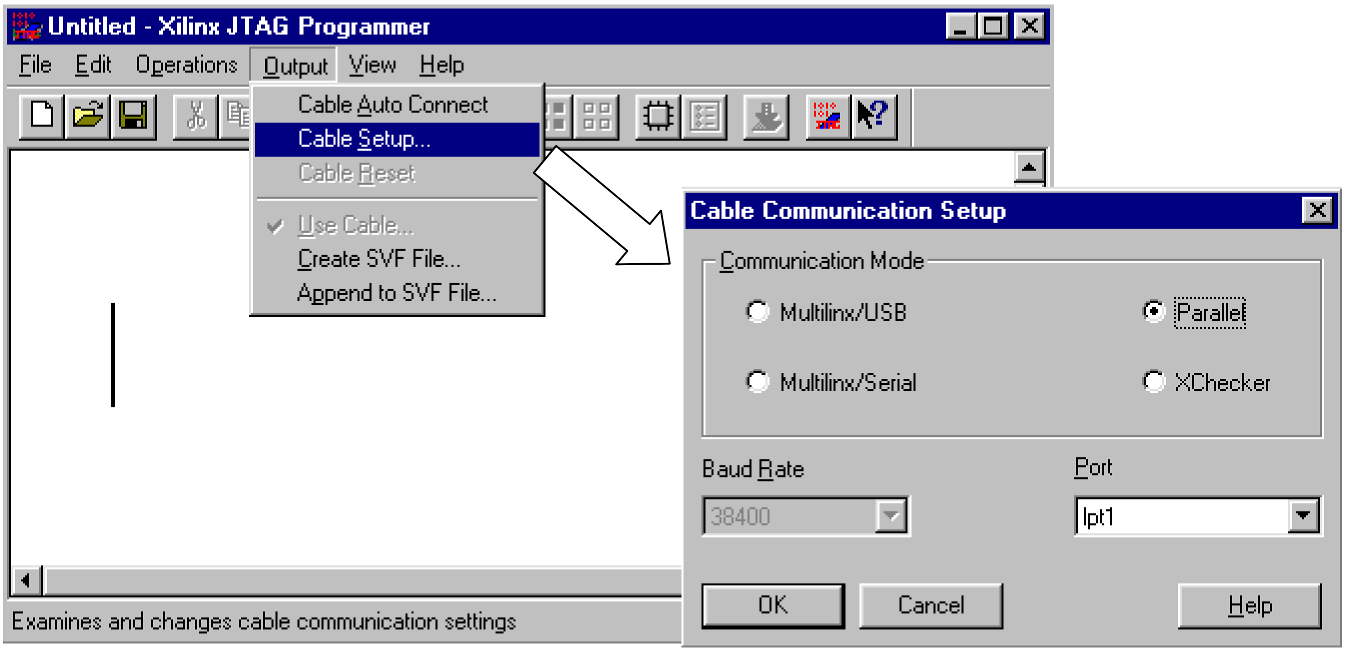
3. Turn on VTR and Personal Computer (Windows mode).

＜Boot up the Version Up Software and Version Up Procedure＞

1. After download the program, unpack the software. Click the start button of windows program **“Xlinx CPLD Webpack”**, then Device Program is boot up and following screen is appeared.


Untitled - Xilinx JTAG Programmer
File Edit Operations Output View Help
For Help, press F1

2. Click **“OUTPUT”** on the menu and select **“Cable Setup”**, then the **“Cable Communication Setup”** screen is open. Select **“Parallel”** on Communication Mode (**“Port”** is set to **“lpt1”** as default).

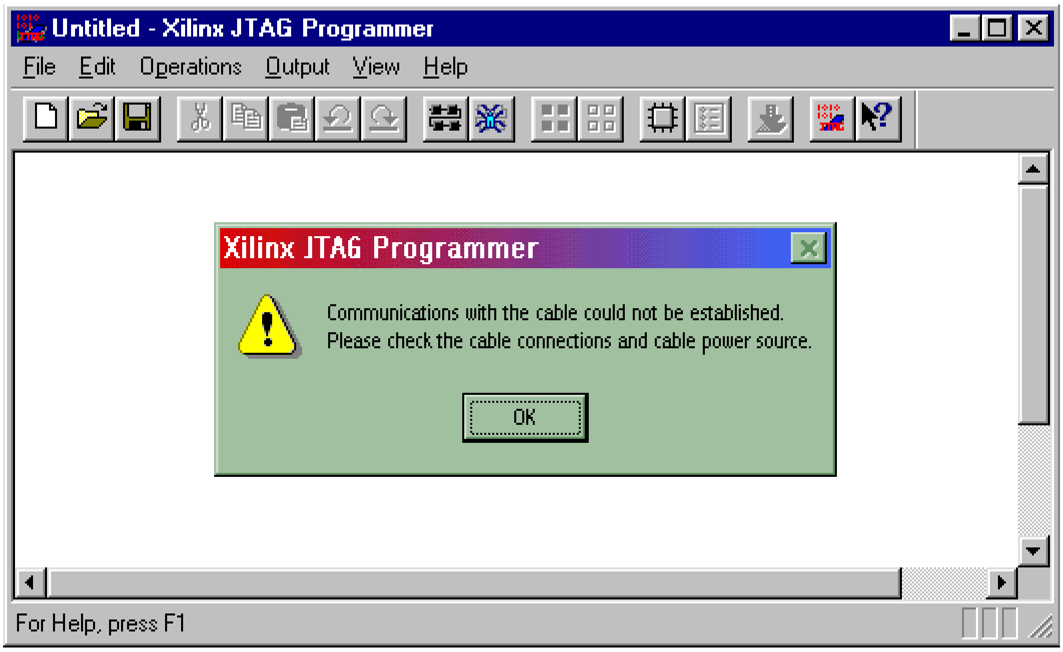

Untitled - Xilinx JTAG Programmer
File
Edit
Operations
Output
View
Help
Cable Auto Connect
Cable Setup...
Cable Reset
Use Cable...
Create SVF File...
Append to SVF File...
Examines and changes cable communication settings
Cable Communication Setup
OK
Cancel
Help

Communication Mode
○ Multilinx/USB
● Parallel
○ Multilinx/Serial
○ XChecker

Baud Rate: 38400

Port: lpt1

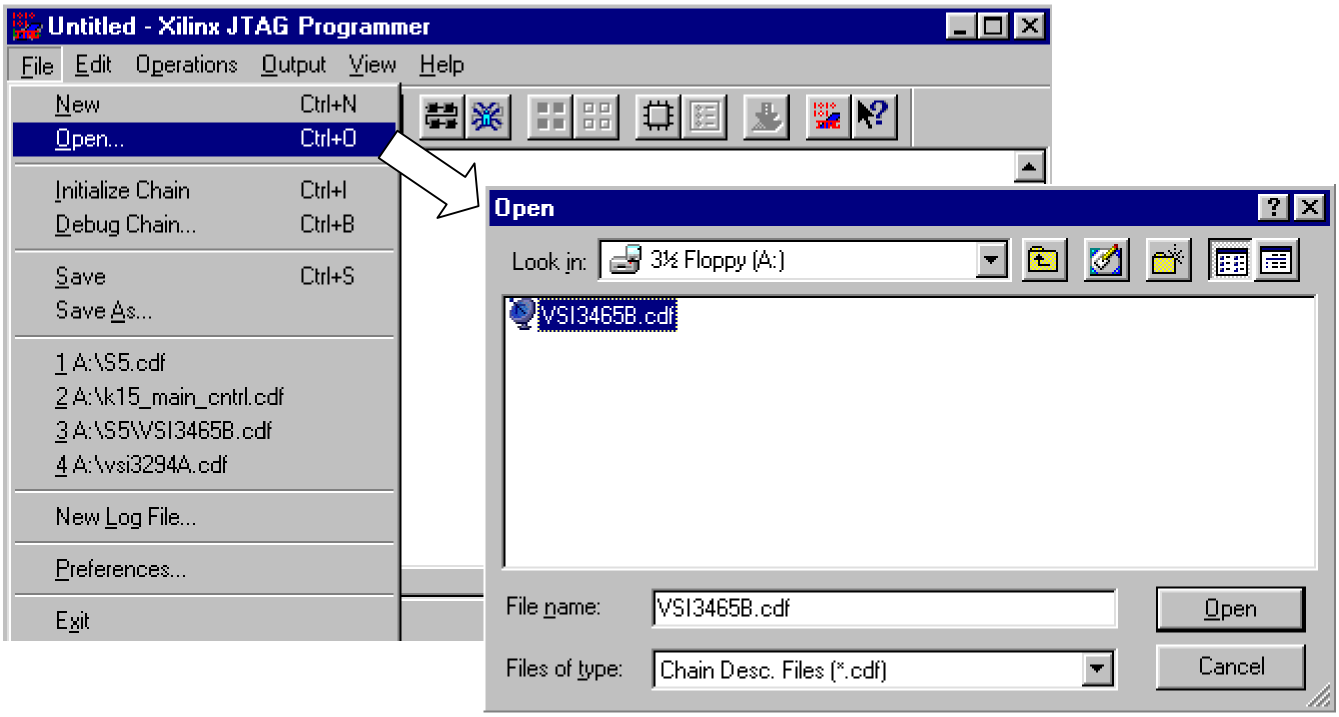
3. If connection is correct, message indicated below apperrs.


Untitled - Xilinx JTAG Programmer
File
Edit
Operations
Output
View
Help
Xilinx JTAG Programmer
OK
For Help, press F1

Communications with the cable could not be established.
Please check the cable connections and cable power source.

4. Click **“OK”** button.

5. Insert the update floppy disk into A drive.
6. ClicK “**FILE”** and “**Open”** and select the target file. This file is called Chain file, because one file can write several CPLDs like a chain.

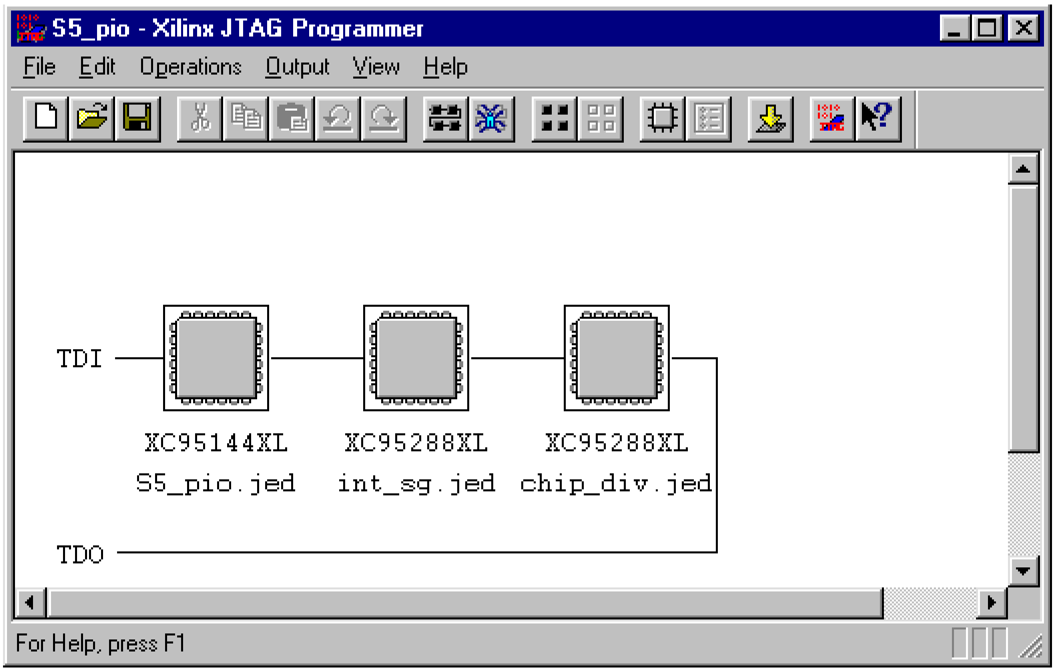

Untitled - Xilinx JTAG Programmer
File Edit Operations Output View Help
New Ctrl+N
Open... Ctrl+O
Initialize Chain Ctrl+I
Debug Chain... Ctrl+B
Save Ctrl+S
Save As...
1 A:\S5.cdf
2 A:\k15_main_cntrl.cdf
3 A:\S5\VSI3465B.cdf
4 A:\vsi3294A.cdf
New Log File...
Preferences...
Exit
Open
VSI3465B.cdf
Open
Cancel

Look in: 3½ Floppy (A:)

File name: VSI3465B.cdf

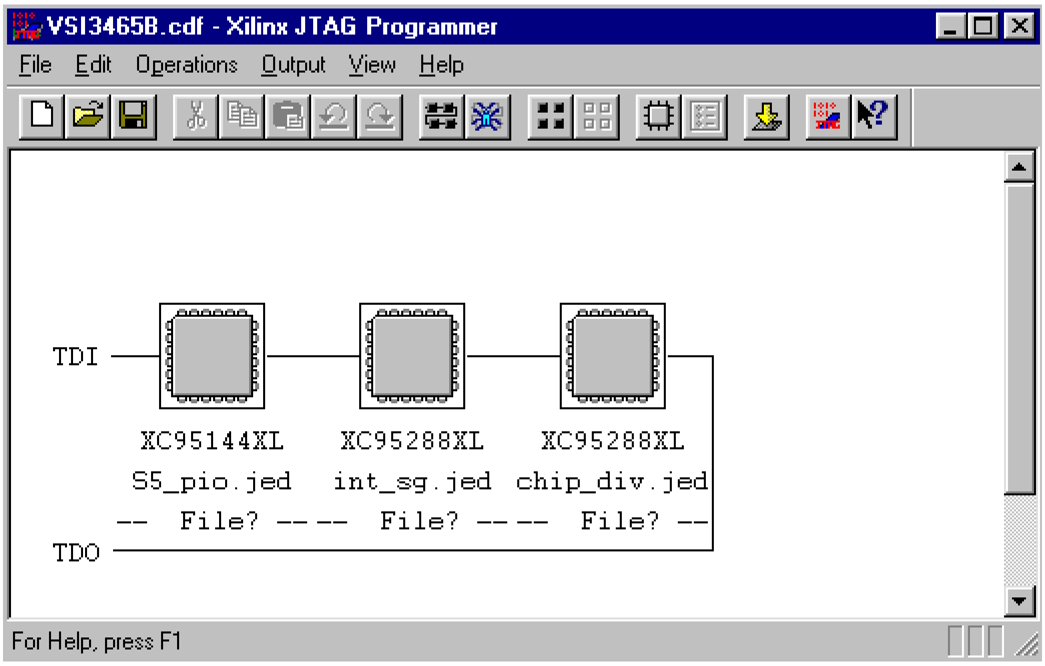
Files of type: Chain Desc. Files (*.cdf)

7. Click “**open”** button, then following screen appears.


S5_pio - Xilinx JTAG Programmer
File Edit Operations Output View Help
TDI
XC95144XL
S5_pio.jed
XC95288XL
int_sg.jed
XC95288XL
chip_div.jed
TDO
For Help, press F1

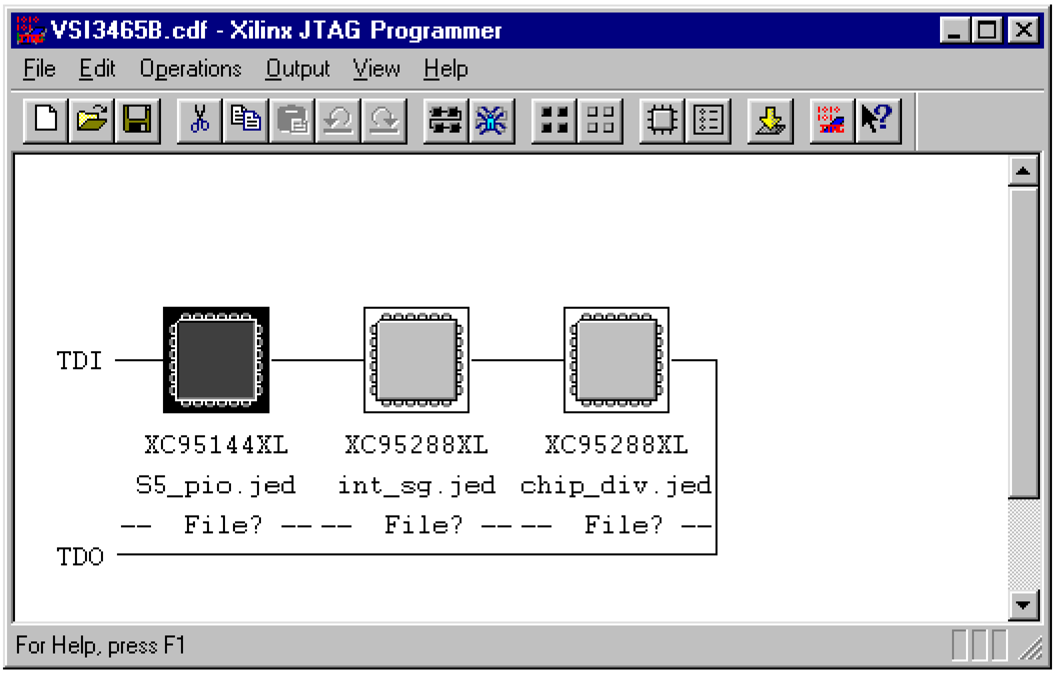
<NOTE: In case the file can not be loaded to Version Up software.>

At the procedure item 6 and 7, If file isn't loaded to Version Up software correctly, the word **"- - - File? - - -"** is displayed under IC mark as indicated below.

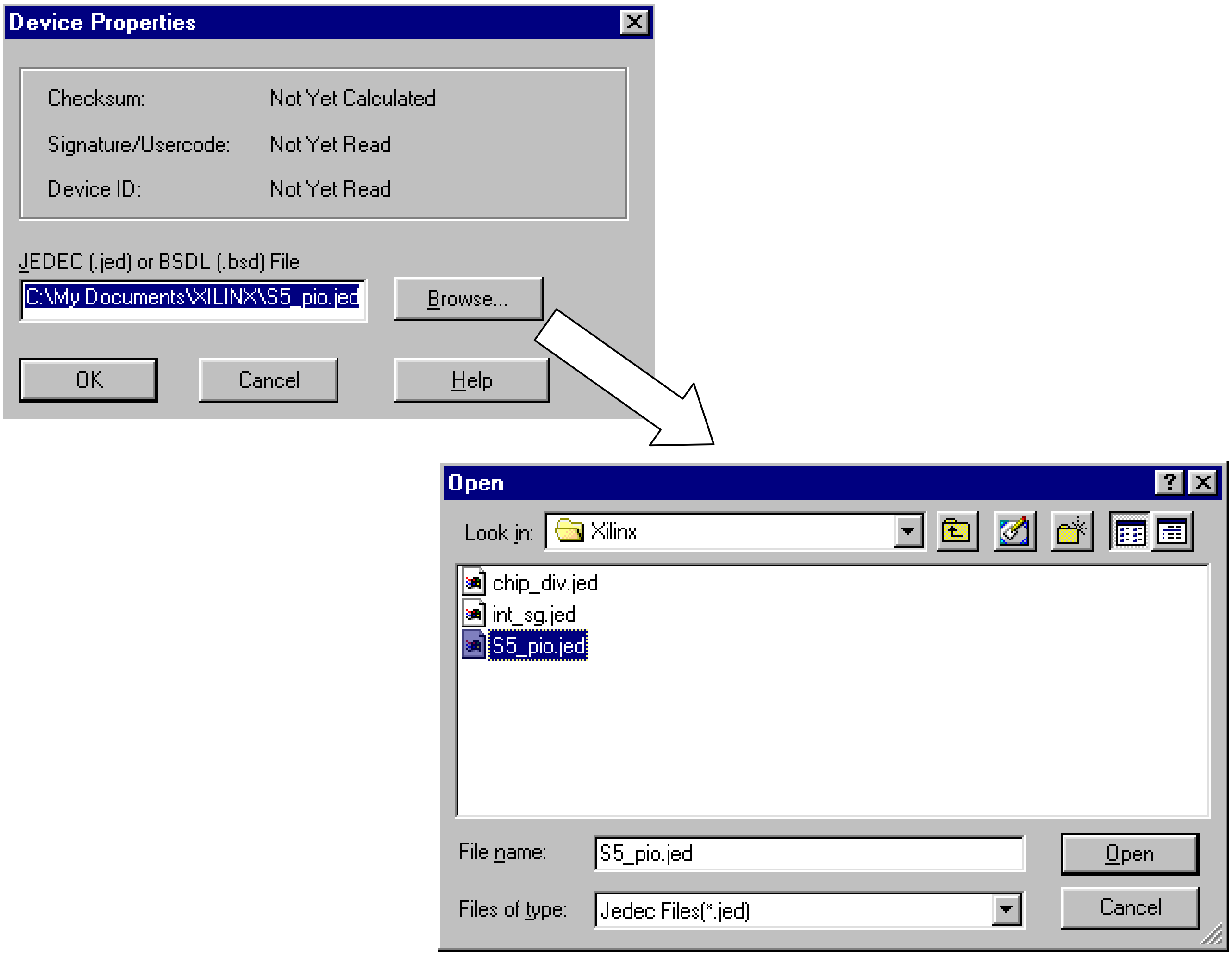

VSI3465B.cdf - Xilinx JTAG Programmer
File
Edit
Operations
Output
View
Help
TDI
TDO
XC95144XL
S5_pio.jed
-- File? --
XC95288XL
int_sg.jed
-- File? --
XC95288XL
chip_div.jed
-- File? --
For Help, press F1

In this case the Version Up software does not detect file path. Please set file pass as follows.

1. Click mark on IC, then cursol appears on IC mark.


VSI3465B.cdf - Xilinx JTAG Programmer
File
Edit
Operations
Output
View
Help
TDI
TDO
XC95144XL
S5_pio.jed
-- File? --
XC95288XL
int_sg.jed
-- File? --
XC95288XL
chip_div.jed
-- File? --
For Help, press F1

2. Duble click to mark on IC in screen, then the “**Device Properties”** screen is opened and select “**Browse”** button to open screen.

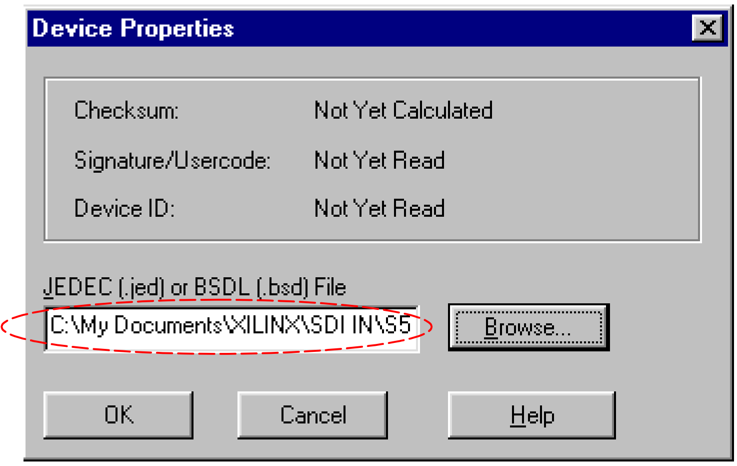

Device Properties
Browse...
OK
Cancel
Help
Open
Open
Cancel

Checksum: Not Yet Calculated
Signature/Usercode: Not Yet Read
Device ID: Not Yet Read
JEDEC (.jed) or BSDL (.bsd) File: C:\My Documents\XILINX\S5_pio.jed

Look in: Xilinx
chip_div.jed
int_sg.jed
S5_pio.jed
File name: S5_pio.jed
Files of type: Jedec Files(*.jed)

3. Select target file and click **”open”** button.

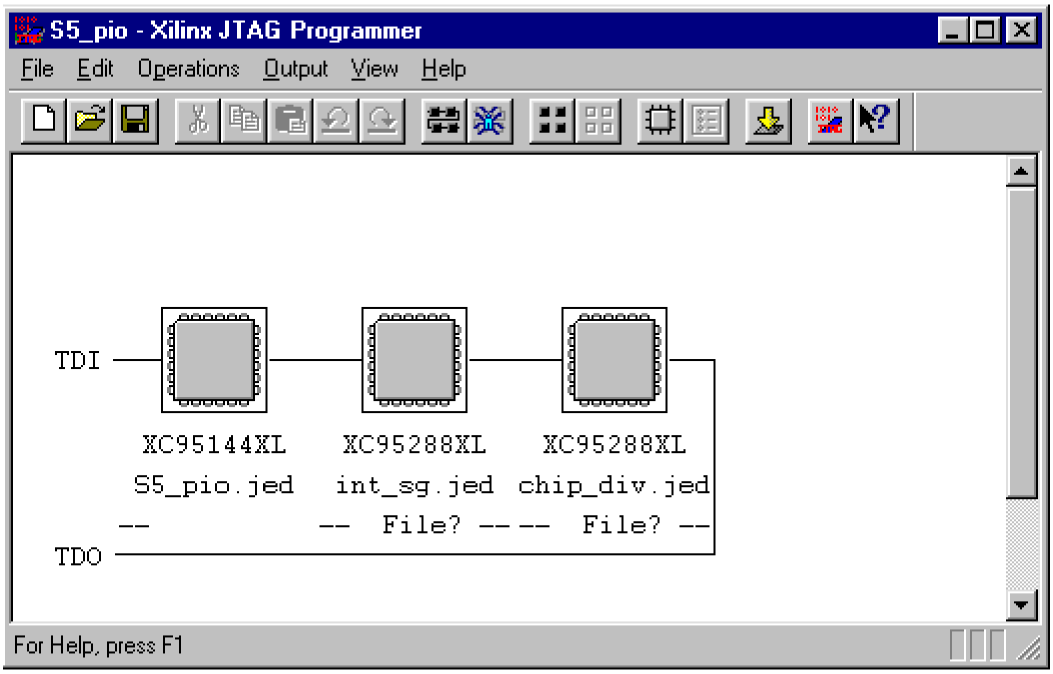
4. Then **“Device Properties”** screen is opened and corrected file path is displayed. Click **“OK”** button.


Device Properties
Browse...
OK
Cancel
Help

Checksum: Not Yet Calculated
Signature/Usercode: Not Yet Read
Device ID: Not Yet Read
JEDEC (.jed) or BSDL (.bsd) File: C:\My Documents\XILINX\SDI IN\S5

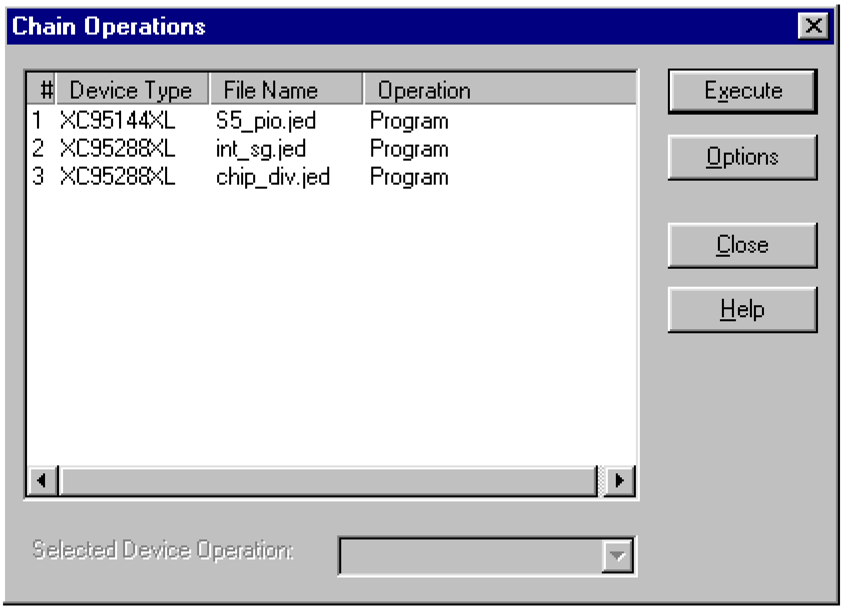
File path name →

5. The word **“- - - File? - - -“** is disapperred as following screen.


S5_pio - Xilinx JTAG Programmer
File Edit Operations Output View Help
TDI
XC95144XL
S5_pio.jed
--
XC95288XL
int_sg.jed
-- File? --
XC95288XL
chip_div.jed
-- File? --
TDO
For Help, press F1

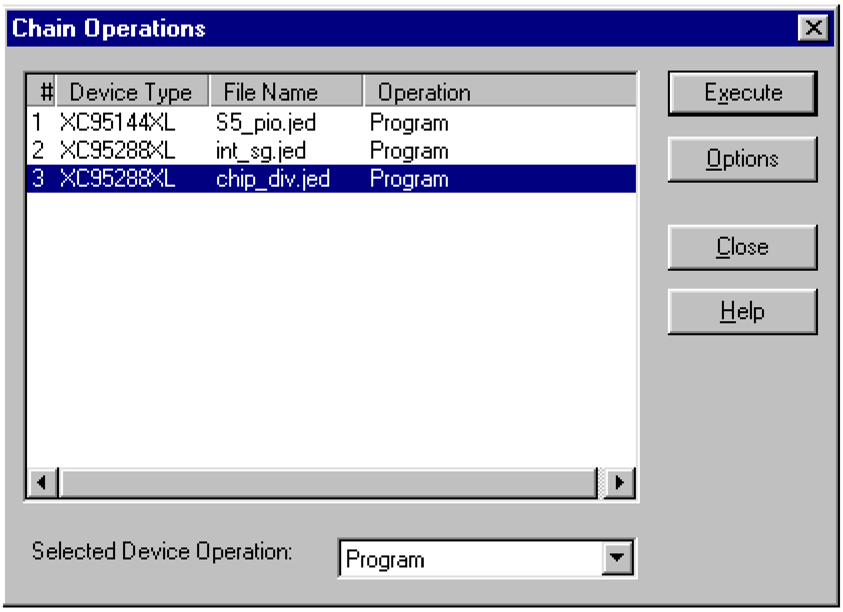
The same operation should be done to other IC.

8. Then click **“Operations”** on the menu and select **“Chain Opeartion”**. Then following screen appears.


Chain Operations
Execute
Options
Close
Help
Selected Device Operation:

#	Device Type	File Name	Operation
1	XC95144XL	S5_pio.jed	Program
2	XC95288XL	int_sg.jed	Program
3	XC95288XL	chip_div.jed	Program

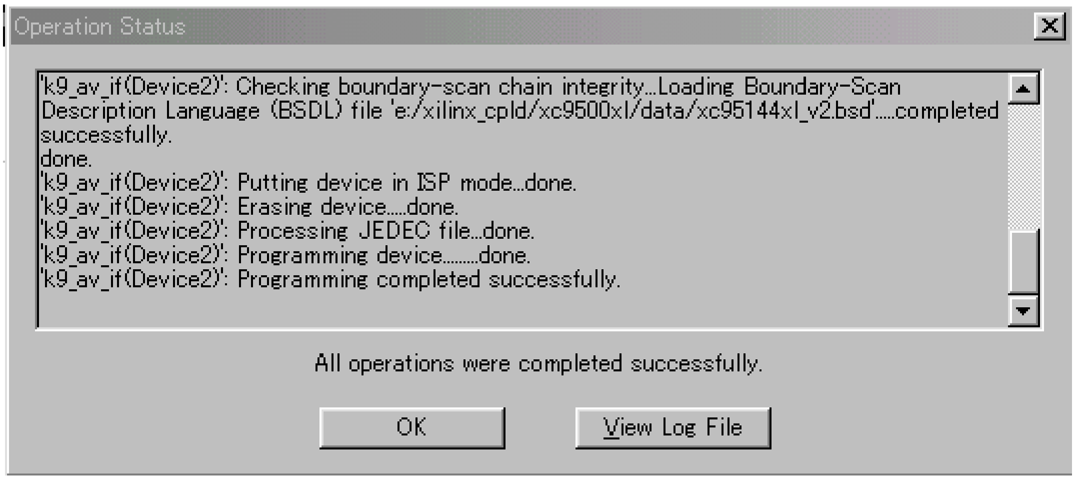
9. Select device in “Device Type” column and select **“Program”** on Selected Device Operation. This operation should be done to all files.



#	Device Type	File Name	Operation
1	XC95144XL	S5_pio.jed	Program
2	XC95288XL	int_sg.jed	Program
3	XC95288XL	chip_div.jed	Program

Selected Device Operation: Program

11. Turn power on of VTR.
12. Click **“Excute”** button and after completion of data writing the following message is displayed. **“All Operations were completed successfully”**.



```
'k9_av_if(Device2)': Checking boundary-scan chain integrity...Loading Boundary-Scan
Description Language (BSDL) file 'e:/xilinx_cpld/xc9500xl/data/xc95144xl_v2.bsd'.....completed
successfully.
done.
'k9_av_if(Device2)': Putting device in ISP mode...done.
'k9_av_if(Device2)': Erasing device.....done.
'k9_av_if(Device2)': Processing JEDEC file...done.
'k9_av_if(Device2)': Programming device.........done.
'k9_av_if(Device2)': Programming completed successfully.
```

All operations were completed successfully.

10. ERROR RATE DISPLAY & CONFIRMATION

10-1. Total Error Rate

“Total Error Rate” shows the playing cindition of all of the deck regardless of the head used in playing.

1. Set the DIP switch **SW4-1** on the rear of the front panel to **“ON”**.
2. Set **MODE** switch on the front panel to the position **“TAPE”**.
3. Switching of the display mode can be done by condition of **”REC CUE VR”**, **“TC / CTL”** button and **“TC / UB”** switch as shown below.

REC CUE VR	TC / UB / CTL	INNER ECC	OUTER ECC	CONCEAL
UNITY	-	ON	ON	ON
VAR	CTL	OFF	OFF	OFF
	TC	ON	OFF	OFF
	UB	ON	ON	OFF

4. Switching of the display mode can be done by condition of **”SW4-2”** on the rear of the front panel and **“TC / UB”** switch as shown below.

TC SWITCH	ERROR RATE
INT	VIDEO
EXT	AUDIO

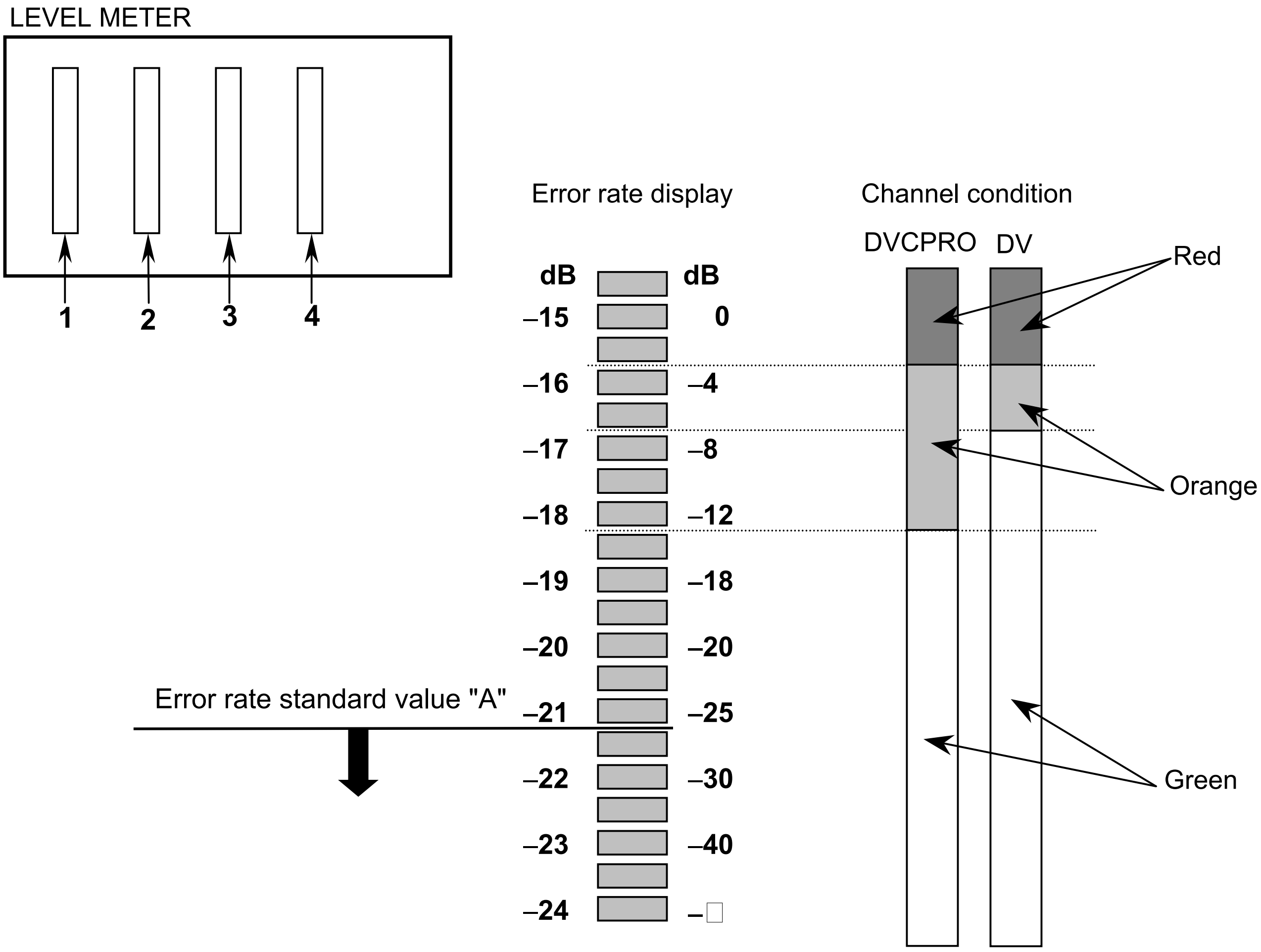
SW4-2	DISPLAY MODE
ON	SLOW
OFF	FAST

10-2. Detailed Error Rate

“Detailed Error Rate” shows the error rate of all of the head being used in plying. Display them on the service menu.

1. Set the DIP switch **SW4-1** on the rear of the front panel to **“ON”**.
2. Set **MODE** switch on the front panel to the position **“TAPE”**.
3. Select **C00: EQ ADJUST** in the service munu.
4. In the next menu, select **C-0: HD PB** or **C-1: HD RP** or **C-2: HD SL** for HD, **C-3: SD PB** or **C-4: SD RP** or **C-5: SD SL** for SD (DVCPRO, DVCPRO50), **C-6: DV** for DV.
5. In the setting of **C50: PB MODE** of the selected one in 3, select a head to display the error rate as shown below.
6. The selected Error rate is displayed in the level meter.

SERVICE MENU	PB MODE	1	2	3	4
C-0: HD PB | C-5: SD SL	PB	PB-L1	PB-L2	PB-R1	PB-R2
	RP	RP-L1	RP-L2	RP-R1	RP-R2
	SL	SL-L1	SL-L2	SL-R1	SL-R2
C-6: DV	-	RP-L1	RP-L2	RP-R1	RP-R2

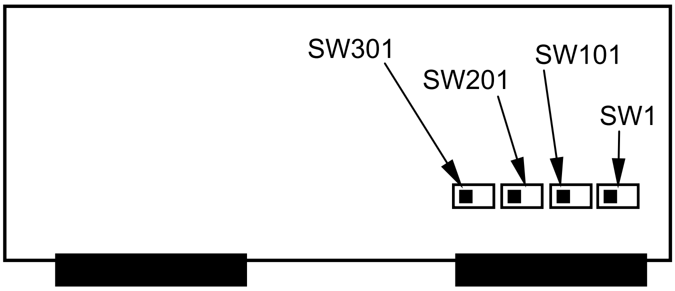

LEVEL METER
1
2
3
4
Error rate display
dB
dB
–15
0
–16
–4
–17
–8
–18
–12
–19
–18
–20
–20
–21
–25
–22
–30
–23
–40
–24
–□
Error rate standard value "A"
Channel condition
DVCPRO
DV
Red
Orange
Green

11. INTERNAL SWITCH SETTING

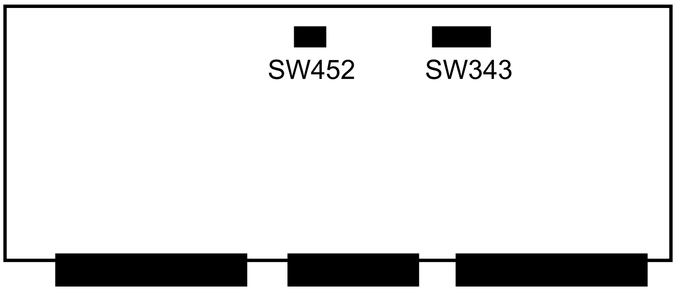
The setting contents for the setting switches on each circuit board are shown below.
The switches “Factory use only” must be set to the “factory setting”.

BOARD	Ref. No.	SW	FACTORY SETTING	FEATURE
F1: A ADDA	SW4001	—	600	CH1 Audio input impedance setting(600 Ω / HIGH)
	SW4101	—	600	CH2 Audio input impedance setting(600 Ω / HIGH)
	SW4201	—	600	CH3 Audio input impedance setting(600 Ω / HIGH)
	SW4301	—	600	CH4 Audio input impedance setting(600 Ω / HIGH)
F6: SYSCON	SW6343	1	OFF	For Hours Meter Reset
		2	OFF(FIXED)	Factory use only
		3-4	OFF(FIXED)	Factory use only
		5-6	OFF	Not Used
		7	ON	Model setting, HD150MC: ON
		8	OFF(FIXED)	Factory use only
	SW6452	1	OFF(FIXED)	Factory use only
		2	OFF(FIXED)	Factory use only
		3	ON	Model setting, HD150MC: ON
		4	OFF(FIXED)	Factory use only
FRONT CPU	SW1	1	OFF(normal)	NORMAL ／ SERVICE MODE
		2-4	OFF	Not Used
H1: CUE	SW4101		HIGH	Cue input impedance setting (600 Ω / HIGH)
	SW1	1-4	OFF / ON	REC EQ SEL.1-4 (refer to 10-11 CUE REC/PLAY Frequency Response Adjustment of Section 5 Electrical Adjustment)
	SW2		NORM	Dolby N.R (NORMAL / TEST)
	SW4201	1	FS-18, 20	Recording level setting (FS-18, 20 / FS-12)
		2	HIGH	Cue output impedance setting (600 Ω / HIGH)
H4/H5: RFEQ 100	SW101	—	Short 2-3	Factory use only
	SW102	—	Short 2-3	Factory use only
RFEQ SUB	SW701	1	ON or OFF	H4: ON, H5: OFF
		2	OFF	Not Used

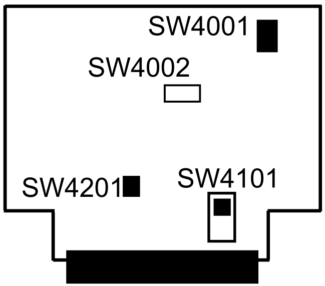
F1: A ADDA Board



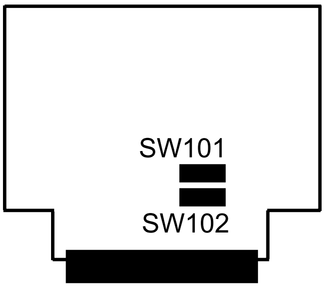
F6: SYSCON Board



H1: CUE Board



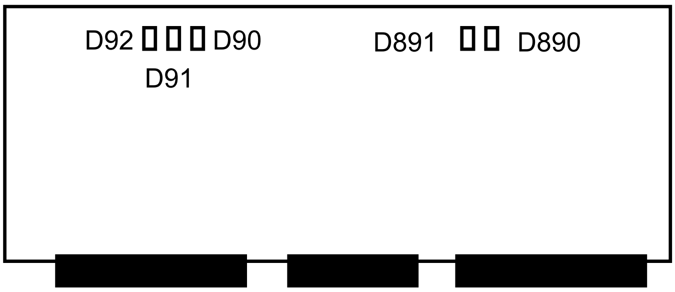
H4/H5: RFEQ100 Board



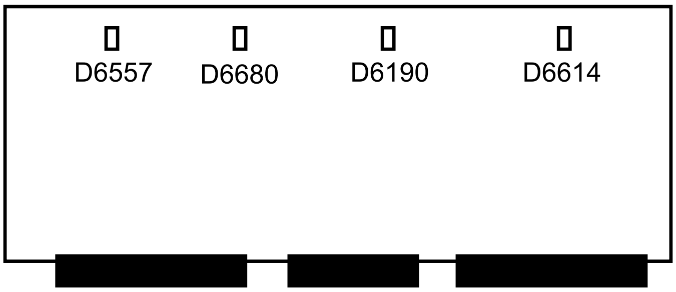
12. INTERNAL LED INDICATION

Circuit board	Ref. No.	Function
F5: SDI	D90	For HD SDI input judgment by hard-ware (lit with SDI input/not lit with no input)
	D91	For HD SDI error detection (lit with error)
	D92	For HD SDI input judgment by soft-ware (lit with SDI input/not lit with no input)
	D890	For SDI output 2 PLL lock detection (lit with lock/not lit with unlock)
	D891	For SDI output 1 PLL lock detection (lit with lock/not lit with unlock)
F6: SYSCON	D6190	For IF microcomputer operation confirmation (flashing with operation)
	D6557	For SYSCON microcomputer operation confirmation (flashing with operation)
	D6614	For DV-PB microcomputer operation confirmation (flashing with operation)
	D6680	For AV microcomputer operation confirmation (flashing with operation)
F7: SERVO	D2450	Capstan servo lock: Lit with lock/not lit with unlock
	D2451	Cylinder servo lock: Lit with lock/not lit with unlock
	D2452	For SERVO microcomputer operation confirmation (flashing with operation)

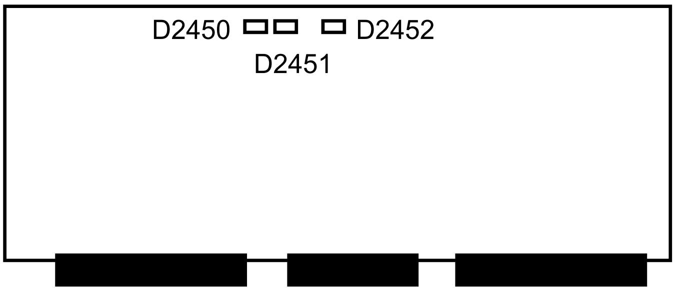
F5: SDI Board



F6: SYSCON Board



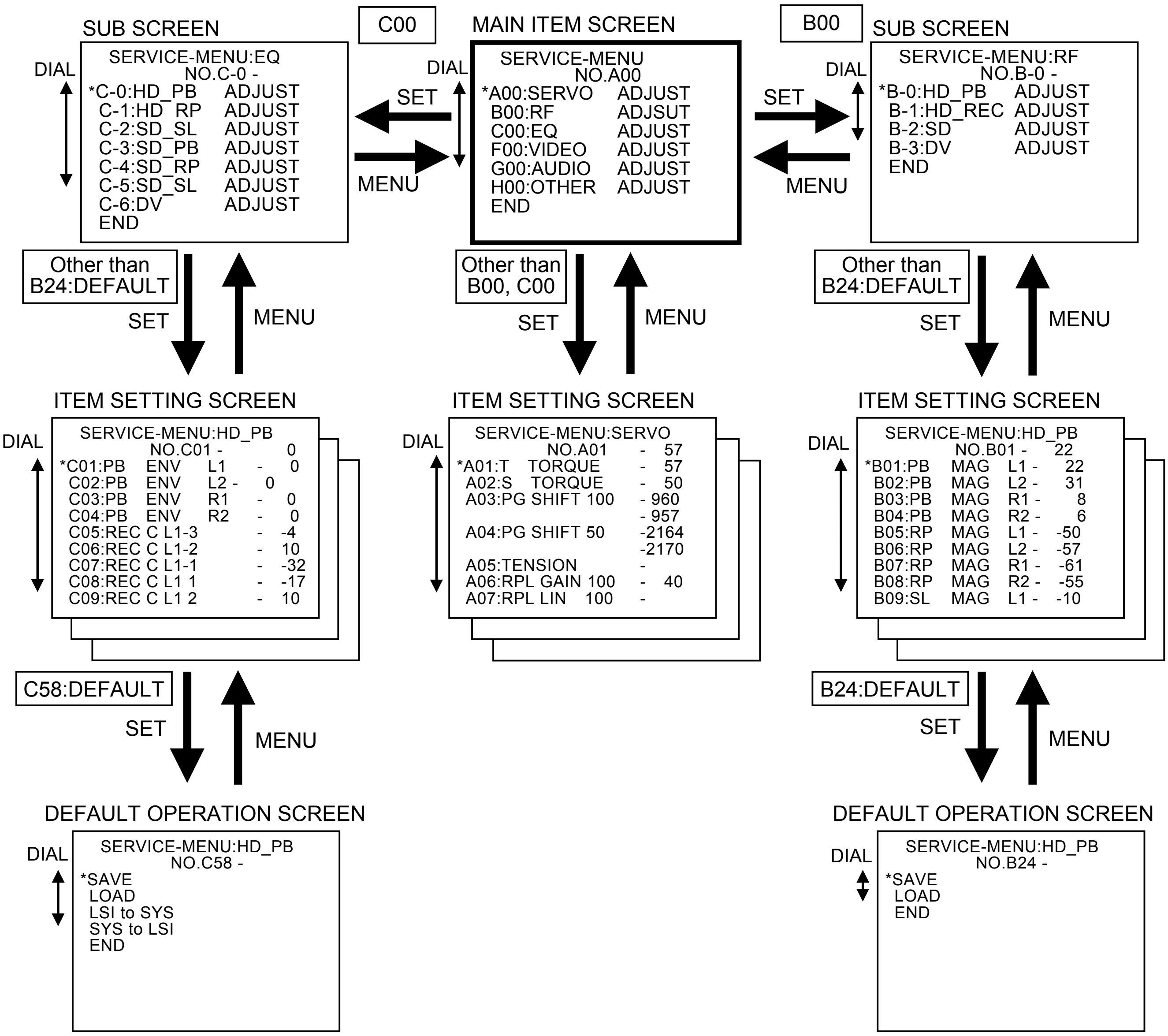
F7: SERVO Board



13. SERVICE MENU

13-1. Service Menu Operation Method

1. Confirm that the "**REMOTE/LOCAL**" switch on the front panel is set to **LOCAL**.
2. Set the DIP switch **SW1-1** at the rear of the front panel to **ON**.
3. Press the "**MENU**" button on the front panel to display the following service menu (main item selection mode) on the monitor.
4. Turn the **SEARCH** dial to move the cursor **"∗"** for selection of one of the main items from A00 to H00.
5. When a main item **(A00, F00, G00, H00)** other than RF adjustment **(B00)** and EQ adjustment **(C00)** has been selected and the "**SET**" button on the front panel is pressed, the item setting window for the selected main item will be opened.
6. RF adjustment **(B00)** and EQ adjustment **(C00)** has a sub-menu composition. When the "**RF ADJUST sub-menu**" is selected and the "**SET**" button is pressed, the selected item setting menu (or the DEFAULT operation munu) will be opened.
7. In either case, return to the previous menu is possible by using the "**MENU**" button.
8. In the item setting menu (or the DEFAULT operation menu), the setting contents can be changed by moving the cursor **"∗"** with the **SEARCH** dial and then turning the **SEARCH** dial while the **SEARCH** button is pressed. (However, refer to the contents of the service menu, as the setting operation may differ according to the item.)



```
SERVICE-MENU:EQ
        NO.C-0 -
*C-0:HD_PB    ADJUST
 C-1:HD_RP    ADJUST
 C-2:SD_SL    ADJUST
 C-3:SD_PB    ADJUST
 C-4:SD_RP    ADJUST
 C-5:SD_SL    ADJUST
 C-6:DV       ADJUST
 END
```

```
 SERVICE-MENU
          NO.A00
*A00:SERVO    ADJUST
 B00:RF       ADJSUT
 C00:EQ       ADJUST
 F00:VIDEO    ADJUST
 G00:AUDIO    ADJUST
 H00:OTHER    ADJUST
 END
```

```
SERVICE-MENU:RF
        NO.B-0 -
*B-0:HD_PB    ADJUST
 B-1:HD_REC   ADJUST
 B-2:SD       ADJUST
 B-3:DV       ADJUST
 END
```

```
   SERVICE-MENU:HD_PB
          NO.C01 -        0
*C01:PB  ENV   L1    -    0
 C02:PB  ENV   L2 -    0
 C03:PB  ENV   R1    -    0
 C04:PB  ENV   R2    -    0
 C05:REC C L1-3      -   -4
 C06:REC C L1-2      -   10
 C07:REC C L1-1      -  -32
 C08:REC C L1 1      -  -17
 C09:REC C L1 2      -   10
```

```
  SERVICE-MENU:SERVO
           NO.A01      -   57
*A01:T   TORQUE        -   57
 A02:S   TORQUE        -   50
 A03:PG SHIFT 100      - 960
                       - 957
 A04:PG SHIFT 50       -2164
                       -2170
 A05:TENSION           -
 A06:RPL GAIN 100      -   40
 A07:RPL LIN   100     -
```

```
   SERVICE-MENU:HD_PB
          NO.B01 -     22
*B01:PB  MAG  L1 -     22
 B02:PB  MAG  L2 -     31
 B03:PB  MAG  R1 -      8
 B04:PB  MAG  R2 -      6
 B05:RP  MAG  L1 -    -50
 B06:RP  MAG  L2 -    -57
 B07:RP  MAG  R1 -    -61
 B08:RP  MAG  R2 -    -55
 B09:SL  MAG  L1 -    -10
```

```
 SERVICE-MENU:HD_PB
        NO.C58 -
*SAVE
 LOAD
 LSI to SYS
 SYS to LSI
 END
```

```
 SERVICE-MENU:HD_PB
        NO.B24 -
*SAVE
 LOAD
 END
```

13-2. Default Operation Method

13-2-1. RF Adjustment (B00)

In RF adjustment it is possible to save the set values to an area different from the memory area (Back up memory) for the present set values. It is possible to load these saved set values to the present set values. This operation is effective only after loading completion.

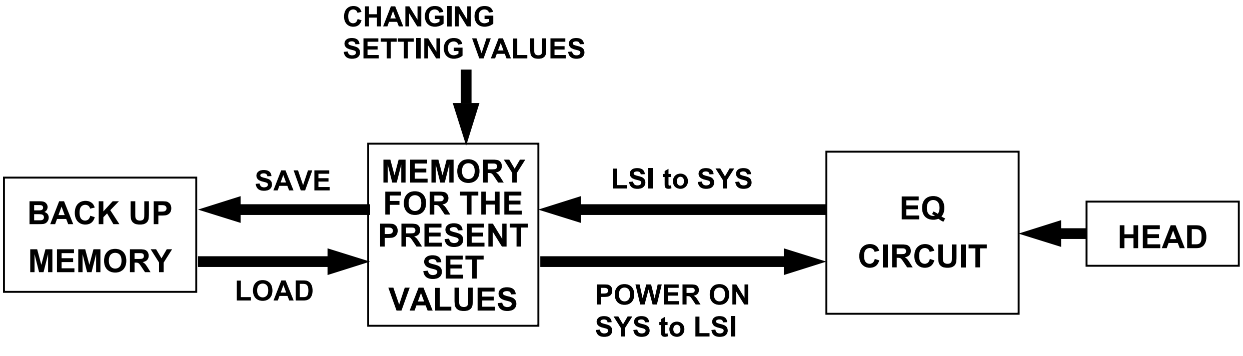
☐ **Operation procedure**

1. Move the cursor **"∗" to the B24: DEFAULT** position.
2. Press the "**SET**" button on the front panel.
3. Turn the **SEARCH** dial and move the cursor "∗" to the item for the desired operation.
   SAVE: The present set value will be saved as the factory default adjustment value.
   LOAD: The saved factory default adjustment value will be loaded as the present set value.
   (When no SAVE operation has been performed, the initial value will be loaded.)
4. When the "**SET**" button is pressed, the selected operation will be performed and the display will return to the item setting screen.
   When the "**MENU**" button is pressed, no operation will be performed and the display will return to the item setting screen.

13-2-2. EQ Adjustment (C00)

In EQ adjustment it is possible to save the set values to an area different from the memory area (Back up memory) for the present set values as same as 13-2-1 RF Adjustment. It is possible to load these saved set values to the present set values. This operation is effective only after loading completion. Operation procedure is same as 13-2-1 RF Adjustment. (by using C58: DEFAULT)

Automatic adjustment data can be transmitted to the set value memory by using the "LSI to SYS" in the "C58:DEFAULT" menu. In general, data in the set value memory are changed only when any adjustment value is modified through the service menu or the "LSI to SYS" is executed. When power is started to be supplied, data from the set value memory are transmitted, and used for the automatic adjustment of the play back of tapes as the standard value (center value). For the quick automatic adjustment after the removal of an old head, the data in the set value memory must have characteristics appropriate for a new head. "SYS to LSI" is the function to recall old data in the memory and return them to the data before execution, and usually, it is not used.



13-3. Service Menu Contents

A00: SERVO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
A01	T TORQUE	-128 0 127	-128 0 127	Compensation of the T-reel driver offset value This shall be done in EJECT condition. Operation: 1. The following operations will start when the SEARCH button is pressed. 1) T-brake OFF 2) Cylinder rotation (18,000 rpm) 3) Loading to the loading completion position 2. Set the value with the search dial. 3. Release the SEARCH button when setting has been completed. 1) Unloading to the unloading completion position 2) Cylinder stop 3) T-brake ON	Yes	
A02	S TORQUE	-128 0 127	-128 0 127	Compensation of the S-reel driver offset value This shall be done in EJECT condition. Operation: 1. The following operations will start when the SEARCH button is pressed. 1) S-brake OFF 2) Cylinder rotation (18000 rpm) 3) Loading to the loading completion position 2. Set the value with the search dial. 3. Release the SEARCH button when setting has been completed. 1) Unloading to the unloading completion position 2) Cylinder stop 3) S-brake ON	Yes	
A03	PG SHIFT 100	RISE 0 1649 4095 FALL 0 1649 4095	RISE 0 1649 4095 FALL 0 1649 4095	Alignment tape is used for PG mono-multi automatic adjustment. (For 100 Mbps, forced switching to 100 Mbps mode.) Operation: 1. Switch to PLAY mode. 2. Keep the SEARCH button pressed. The set value indication will go out and automatic adjustment will start. 3. When the set value is displayed, adjustment has been completed. Release the SEARCH button.	Yes	
A04	PG SHIFT 50	RISE 0 1649 4095 FALL 0 1649 4095	RISE 0 1649 4095 FALL 0 1649 4095	Alignment tape is used for PG mono-multi automatic adjustment. (For 50 Mbps, forced switching to 50 Mbps mode.) Operation: 1. Switch to PLAY mode. 2. Keep the SEARCH button pressed. The set value indication will go out and automatic adjustment will start. 3. When the set value is displayed, adjustment has been completed. Release the SEARCH button.	Yes	
A05	TENSION	0 1	Non-display ON	Loading operation for tension offset adjustment Operation: 1. Switch to EJECT mode. 2. Switch the set value to ON. Loading will be performed to the loading completion position. 3. Unloading will be performed when the set value is switched to OFF or when the cursor is moved to another item.	No	Not used
A06	RPL GAIN 100	-128 0 127	-128 0 127	Adjustment of the ATF prefilter gain of the RPL head (For 100 Mbps, forced switching to 100 Mbps mode.)	Yes	
A07	RPL LIN 100	0 1	Non-display ON	Adjustment of the LISTA linearity of the RPL head (For 100 Mbps, forced switching to 100 Mbps mode.)	No	

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	**SUPER DISP.**	**No.**	**SUPER DISP.**			
A08	PBL GAIN 100	-128 0 127	-128 0 127	Adjustment of the ATF prefilter gain of the PBL head (For 100 Mbps, forced switching to 100 Mbps mode.)	Yes	
A09	PBL LIN 100	0 1	Non-display ON	Adjustment of the LISTA linearity of the PBL head (For 100 Mbps, forced switching to 100 Mbps mode.)	No	
A10	PBR GAIN 100	-128 0 127	-128 0 127	Adjustment of the ATF prefilter gain of the PBR head (For 100 Mbps, forced switching to 100 Mbps mode.)	Yes	
A11	RPL GAIN 50	-128 0 127	-128 0 127	Adjustment of the ATF prefilter gain of the RPL head (For 50 Mbps, forced switching to 50 Mbps mode.)	Yes	
A12	RPL LIN 50	0 1	Non-display ON	Adjustment of the LISTA linearity of the RPL head (For 50 Mbps, forced switching to 50 Mbps mode.)	No	
A13	PBL GAIN 50	-128 0 127	-128 0 127	Adjustment of the ATF prefilter gain of the PBL head (For 50 Mbps, forced switching to 50 Mbps mode.)	Yes	
A14	PBL LIN 50	0 1	Non-display ON	Adjustment of the LISTA linearity of the PBL head (For 50 Mbps, forced switching to 50 Mbps mode.)	No	
A15	PBR GAIN 50	-128 0 127	-128 0 127	Adjustment of the ATF prefilter gain of the PBR head (For 50 Mbps, forced switching to 50 Mbps mode.)	Yes	
A16	RPR GAIN DV	-128 0 127	-128 0 127	Adjustment of the ATF prefilter gain of the RPR head. (For DV, change is possible only when a DV cassette has been inserted.)	Yes	
A17	X VALUE 100	-128 0 127	-128 0 127	Electrical fine adjustment of the X-value (For 100 Mbps, forced switching to 100 Mbps mode.) Operation: 1. Switch to PLAY mode. 2. Keep the SEARCH button pressed. The set value display will go out and automatic adjustment will start. 3. Adjustment is completed when the set value is displayed. Release the SEARCH button.	Yes	
A18	X VALUE 50	-128 0 127	-128 0 127	Electrical fine adjustment of the X-value (For 50 Mbps, forced switching to 50 Mbps mode.) Operation: 4. Switch to PLAY mode. 5. Keep the SEARCH button pressed. The set value display will go out and automatic adjustment will start. 6. Adjustment is completed when the set value is displayed. Release the SEARCH button.	Yes	
A19	ENV SEL 100	0 1	RP/PB SLOW	Select the envelope output confirmation head. (For 100 Mbps, forced switching to 100 Mbps mode.) • CTL lock playback is performed, and locking is done to the phase which permits confirmation of the envelope output of the selected head. • Fine adjustment is performed with A20: TRK VAL 100. • When the set value is changed, setting to A20: TRK VAL 100 =0 is done automatically.	No	
A20	TRK VAL 100	-128 0 127	-128 0 127	Set the CTL tracking offset value. (For 100 Mbps, forced switching to 100 Mbps mode.) • When the set value for A19: ENV SEL 100 is changed, setting is done automatically to 0.	No	

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
A21	ENV SEL 50	0 1	RP/PB SLOW	Select the envelope output confirmation head. (For 50 Mbps, forced switching to 50 Mbps mode.) • CTL lock playback is performed, and locking is done to the phase which permits confirmation of the envelope output of the selected head. • Fine adjustment is performed with A22: TRK VAL 50. • When the set value is changed, setting to A22: TRK VAL 50 =0 is done automatically.	No	
A22	TRK VAL 50	-128 | 0 | 127	-128 | 0 | 127	Set the CTL tracking offset value. (For 50 Mbps, forced switching to 50 Mbps mode.) • When the set value for A21: ENV SEL 50 is changed, setting is done automatically to 0.	No	

B00: RF ADJUST

RF ADJUST has a subscreen composition, and there is a hierarchical structure for each format.

RF ADJUST Subscreen

Item		Item contents
No.	SUPER DISP.	
B-0	HD_PB ADJUST	Adjustment for DVCPRO100 (100 Mbps) PB circuit.
B-1	HD_REC ADJUST	Adjustment for DVCPRO100 (100 Mbps) PB, REC circuit.
B-2	SD ADJUST	Adjustment for DVCPRO/50 (25/50 Mbps) PB circuit.
B-3	DV ADJUST	Adjustment for DV PB circuit. Insert a DV cassette for adjustment.

B-0: HD_PB ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
B01	PB MAG L1	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the PB-L1 head playback amplitude	Yes	Settings are effective only after loading completion.
B02	PB MAG L2			Adjustment of the PB-L2 head playback amplitude		
B03	PB MAG R1			Adjustment of the PB-R1 head playback amplitude		
B04	PB MAG R2			Adjustment of the PB-R2 head playback amplitude		
B05	RP MAG L1	-128 | -50 | 127	-128 | -50 | 127	Adjustment of the RP-L1 head playback amplitude	Yes	
B06	RP MAG L2			Adjustment of the RP-L2 head playback amplitude		
B07	RP MAG R1			Adjustment of the RP-R1 head playback amplitude		
B08	RP MAG R2			Adjustment of the RP-R2 head playback amplitude		
B09	SL MAG L1	-128 | -10 | 127	-128 | -10 | 127	Adjustment of the SL-L1 head playback amplitude	Yes	
B10	SL MAG L2			Adjustment of the SL-L2 head playback amplitude		
B11	SL MAG R1			Adjustment of the SL-R1 head playback amplitude		
B12	SL MAG R2			Adjustment of the SL-R2 head playback amplitude		
B13	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER.	No	
B14	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed.	No	
B15	VITERBI MODE	0 1	OFF ON	Set whether viterbi decoding is to be performed or not for the playback data.	No	
B16	PB MODE	0 1 2	PB RP SL	Head selection for Playback.	No	
B17	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode	No	
B18	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking	No	
B19	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking Effective only at the time of TRACKING MOD = CTL.	No	
B20	AUTO EQ	0 1	ON OFF	Setting of the adaptive function of the adaptive equalization filter.	No	Settings are effective only after loading completion.
B21	XCAN MODE	0 1	ON OFF	Crosstalk canceler ON/OFF setting.	No	
B22	BPF SW	0 1	OFF ON	BPF for Auto EQ of recording ON/OFF setting.	No	
B23	BPF FREQ	0 1	10MHz 30MHz	BPF band setting for recording adjustment.	No	
B24	DEFAULT			LOAD/SAVE of the Back up adjustment values. Perform operation in regard to the adjustment values for B-0: HD PB ADJUST Operation: 1. Move the cursor to B24: DEFALT. 2. Turn the search dial and move the cursor to the desired operation item. SAVE: Save the present set values to the Back up memory LOAD: Load the saved back up values as the present set values. 3. When the set button is pressed, the selected operation will be performed and return will be made to the item setting screen. When the MUNU button is pressed, no operation will be performed and return to the item setting screen.	No	Settings are effective only after loading completion.

B-1: HD_REC ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
B01	REC CURR L1	-128 | 0 | 127	-128 | 0 | 127	Adjustment of the RP-L1 head recording current.	Yes	Settings are effective only after loading completion.
B02	REC FREQ L1			Adjustment of the RP-L1 head recording freqency characteristic.		
B03	REC CURR L2			Adjustment of the RP-L2 head recording current.		
B04	REC FREQ L2			Adjustment of the RP-L2 head recording freqency characteristic.		
B05	REC CURR R1			Adjustment of the RP-R1 head recording current.		
B06	REC FREQ R1			Adjustment of the RP-R1 head recording freqency characteristic.		
B07	REC CURR R2			Adjustment of the RP-R2 head recording current.		
B08	REC FREQ R2			Adjustment of the RP-R2 head recording freqency characteristic.		
B09	RE CURR L1	-128 | 80 | 127	-128 | 80 | 127	Adjustment of the L1 head erase current.	Yes	
B10	RE CURR L2			Adjustment of the L2 head erase current.		
B11	RE CURR R1			Adjustment of the R1 head erase current.		
B12	RE CURR R2			Adjustment of the R2 head erase current.		
B13	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER.	No	
B14	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed.	No	
B15	VITERBI MODE	0 1	OFF ON	Set whether viterbi decoding is to be performed or not for the playback data.	No	
B16	PB MODE	0 1 2	PB RP SL	Head selection for Playback.	No	
B17	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode	No	
B18	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking	No	
B19	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking Effective only at the time of TRACKING MOD = CTL.	No	
B20	AUTO EQ	0 1	ON OFF	Setting of the adaptive function of the adaptive equalization filter.	No	Settings are effective only after loading completion.
B21	XCAN MODE	0 1	ON OFF	Crosstalk canceler ON/OFF setting.	No	
B22	BPF SW	0 1	OFF ON	BPF for Auto EQ of recording ON/OFF setting.	No	
B23	BPF FREQ	0 1	10MHz 30MHz	BPF band setting for recording adjustment.	No	
B24	DEFAULT			LOAD/SAVE of the Back up adjustment values. Perform operation in regard to the adjustment values for B-1: HD REC ADJUST Operation: 1. Move the cursor to B24: DEFALT. 2. Turn the search dial and move the cursor to the desired operation item. SAVE: Save the present set values to the Back up memory LOAD: Load the saved back up values as the present set values. 3. When the set button is pressed, the selected operation will be performed and return will be made to the item setting screen. When the MUNU button is pressed, no operation will be performed and return to the item setting screen.	No	Settings are effective only after loading completion.

B-2: SD ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
B01	PB MAG L1	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the PB-L1 head playback amplitude	Yes	Settings are effective only after loading completion.
B02	PB MAG L2			Adjustment of the PB-L2 head playback amplitude		
B03	PB MAG R1			Adjustment of the PB-R1 head playback amplitude		
B04	PB MAG R2			Adjustment of the PB-R2 head playback amplitude		
B05	RP MAG L1	-128 | -50 | 127	-128 | -50 | 127	Adjustment of the RP-L1 head playback amplitude	Yes	
B06	RP MAG L2			Adjustment of the RP-L2 head playback amplitude		
B07	RP MAG R1			Adjustment of the RP-R1 head playback amplitude		
B08	RP MAG R2			Adjustment of the RP-R2 head playback amplitude		
B09	SL MAG L1	-128 | -10 | 127	-128 | -10 | 127	Adjustment of the SL-L1 head playback amplitude	Yes	
B10	SL MAG L2			Adjustment of the SL-L2 head playback amplitude		
B11	SL MAG R1			Adjustment of the SL-R1 head playback amplitude		
B12	SL MAG R2			Adjustment of the SL-R2 head playback amplitude		
B13	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER.	No	
B14	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed.	No	
B15	VITERBI MODE	0 1	OFF ON	Set whether viterbi decoding is to be performed or not for the playback data.	No	
B16	PB MODE	0 1 2	PB RP SL	Head selection for Playback.	No	
B17	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode	No	
B18	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking	No	
B19	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking Effective only at the time of TRACKING MOD = CTL.	No	
B20	AUTO EQ	0 1	ON OFF	Setting of the adaptive function of the adaptive equalization filter.	No	Settings are effective only after loading completion.
B21	DEFAULT			LOAD/SAVE of the Back up adjustment values. Perform operation in regard to the adjustment values for B-2: SD ADJUST Operation: 1. Move the cursor to B21: DEFALT. 2. Turn the search dial and move the cursor to the desired operation item. SAVE: Save the present set values to the Back up memory LOAD: Load the saved back up values as the present set values. 3. When the set button is pressed, the selected operation will be performed and return will be made to the item setting screen. When the MUNU button is pressed, no operation will be performed and return to the item setting screen.	No	

B-3: DV ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
B01	PB MAG L1	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the PB-L1 head playback amplitude	Yes	Settings are effective only after loading completion.
B02	PB MAG L2			Adjustment of the PB-L2 head playback amplitude		
B03	PB MAG R1			Adjustment of the PB-R1 head playback amplitude		
B04	PB MAG R2			Adjustment of the PB-R2 head playback amplitude		
B05	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER.	No	
B06	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed.	No	
B07	VITERBI MODE	0 1	OFF ON	Set whether viterbi decoding is to be performed or not for the playback data.	No	
B08	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode	No	
B09	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking Effective only at the time of TRACKING MOD = CTL.	No	
B10	AUTO EQ	0 1	ON OFF	Setting of the adaptive function of the adaptive equalization filter.	No	Settings are effective only after loading completion.
B11	DEFAULT			LOAD/SAVE of the Back up adjustment values. Perform operation in regard to the adjustment values for B-3: DV ADJUST Operation: 1. Move the cursor to B11: DEFALT. 2. Turn the search dial and move the cursor to the desired operation item. SAVE: Save the present set values to the Back up memory LOAD: Load the saved back up values as the present set values. 3. When the set button is pressed, the selected operation will be performed and return will be made to the item setting screen. When the MUNU button is pressed, no operation will be performed and return to the item setting screen.	No	

C00: EQ ADJUST

EQ ADJUST has a subscreen composition, and there is a hierarchical structure for each format.

EQ ADJUST Subscreen

Item		Item contents
No.	SUPER DISP.	
C-0	HD_PB ADJUST	Adjustment for DVCPRO100 (100 Mbps) PB circuit (PB head).
C-1	HD_RP ADJUST	Adjustment for DVCPRO100 (100 Mbps) PB circuit (RP head).
C-2	HD_SL ADJUST	Adjustment for DVCPRO100 (100 Mbps) PB circuit (SL head).
C-3	SD_PB ADJUST	Adjustment for DVCPRO/50 (25/50 Mbps) PB circuit (PB head).
C-4	SD_RP ADJUST	Adjustment for DVCPRO/50 (25/50 Mbps) PB circuit (RP head).
C-5	SD_SL ADJUST	Adjustment for DVCPRO/50 (25/50 Mbps) PB circuit (SL head).
C-6	DV ADJUST	Adjustment for DV PB circuit. Insert a DV cassette for adjustment.

NOTE: In case select item C-0 to C-6, same items display on screen follow as table on page INF-34,35 and 36.

C-0: HD_PB ADJUST / C-1: HD RP ADJUST / C-2: HD SL ADJUST
C-3: SD PB ADJUST / C-4: SD RP ADJUST / C-5: SD SL ADJUST
C-6: DV ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C01	ENV L1	0 | 225	0 | 225	Playback signal envelope level read-out value averaged for each track of each head ENV L1: L1 head ENV L2: L2 head ENV R1: R1 head ENV R2: R2 head Averaging is performed at 8 points in the track, and the newest track value for which averaging has been completed at the time when read-out is started will be read out. Read-out is possible only at the time of PLAY and REC.	Yes	Settings are effective only after loading completion.
C02	ENV L2					
C03	ENV R1					
C04	ENV R2					
C05	CL1-3	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the PB-L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. Read-out is possible only at the time of PLAY, REC.	Yes	Settings are effective only after loading completion.
C06	CL1-2					
C07	CL1-1	-80 | -32 | -4	-80 | -32 | -4		Yes	
C08	CL11					
C09	CL12	-31 | 0 | 31	-31 | 0 | 31		Yes	
C10	CL13					
C11	CL2-3	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the PB-L2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. Read-out is possible only at the time of PLAY, REC.	Yes	
C12	CL2-2					
C13	CL2-1	-80 | -32 | -4	-80 | -32 | -4		Yes	
C14	CL21					
C15	CL22	-31 | 0 | 31	-31 | 0 | 31		Yes	
C16	CL23					

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C17	CR1-3	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the PB-L1 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. Read-out is possible only at the time of PLAY, REC.	Yes	Settings are effective only after loading completion.
C18	CR1-2					
C19	CR1-1	-80 | -32 | -4	-80 | -32 | -4		Yes	
C20	CR11					
C21	CR12	-31 | 0 | 31	-31 | 0 | 31		Yes	
C22	CR13					
C23	CR2-3	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the PB-L2 head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. Read-out is possible only at the time of PLAY, REC.	Yes	
C24	CR2-2					
C25	CR2-1	-80 | -32 | -4	-80 | -32 | -4		Yes	
C26	CR21					
C27	CR22	-31 | 0 | 31	-31 | 0 | 31		Yes	
C28	CR23					
C29	VCO L	0 | 512 | 1023	0 | 512 | 1023	Setting of the initial value of the output voltage adjusting the VCO center frequency Adjustment is performed automatically in standby mode, but the time required for automatic adjustment can be reduced by setting this value in advance to a suitable value.	Yes	Settings are effective only after loading completion.
C30	VCO R					
C31	ENV THR C-0: HD PB C-2: HD SL C-3: SD PB C-5: SD SL	0 | 21 | 255	0 | 21 | 255	Setting of the threshold value for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	
	ENV THR C-1: HD RP C-4: SD RP	0 | 16 | 255	0 | 16 | 255			
	ENV THR C-6: DV	0 | 24 | 255	0 | 24 | 255			
C32	AGC THR	0 | 82 | 255	0 | 82 | 255	Setting of the threshold value 2 for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	Not used
C33	STB DET	0 1	OFF ON	Stand-by detection function for VCO auto adjustment ON/OFF setting.	No	Settings are effective only after loading completion.
C34	SPD TR HOLD	0 1	OFF ON	The hold function of control for the adaptive equalization ON/OFF setting.	No	
C35	SPD TR THR	0 1 2 3	3us 5us 7us 9us	The detection sensitivity for detection of changes in the relative speed is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	
C36	AUTO EQ SPD	0 1 2 3	0 1 2 3	The control response speed for the adaptive equalization filter is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C37	AGC SPEED C-0: HD PB C-2: HD SL C-3: SD PB C-4: SD RP C-5: SD SL	0 1 2 3	0 1 2 3	The control response speed for the AGC is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	Settings are effective only after loading completion.
	AGC SPEED C-1: HD RP	0 1 2 3	0 1 2 3			
	AGC SPEED C-6: DV	0 1 2 3	0 1 2 3			
C38	PLL A	0 │ 7 │ 31	0 │ 7 │ 31	In the PLL response speed setting, mainly the phase pull-in speed is controlled. The response speed becomes faster with larger values. **NOTE:** initial value is 5 on DV ADJUST menu.	Yes	Settings are effective only after loading completion.
C39	PLL B	0 │ 7 │ 31	0 │ 7 │ 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values. **NOTE:** initial value is 5 on DV ADJUST menu.	Yes	
C40	PC FIX LEVEL	0 1 2 3	8 16 32 64	The strength of the frequency pull-in operation of the PLL phase comparison characteristic expansion function is controlled in four levels. The action is weakest with 0 and strongest with 3. When the data acquisition ratio at the time of special playback is bad, it can be improved by controlling this parameter.	Yes	
C41	VCO UL LIMIT	0 1	L_LIM U_LIM	Test for control voltage of VCO.	No	Not used
C42	VCO SPD	0 1	SLOW FAST	The compensation speed in PLL frequency compensation mode is set in two levels.	Yes	Settings are effective only after loading completion.
C43	VCO THR C-0: HD PB C-1: HD RP C-2: HD SL C-3: SD PB C-4: SD RP C-5: SD SL	0 │ 36 │ 127	0 │ 36 │ 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is ·(set value)/10.24%.	Yes	
	VCO THR C-6: DV	0 │ 32 │ 127	0 │ 32 │ 127			
C44	EYE THR	0 │ 110 │ 255	0 │ 110 │ 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	
C45	ULK THR	0 │ 94 │ 255	0 │ 94 │ 255	Setting of the threshold value 2 for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	
C46	FAULT DET LNG C-0: HD PB C-1: HD RP C-2: HD SL C-3: SD PB C-4: SD RP C-5: SD SL	0 1 2 3	1/2 3/4 7/8 15/16	The detection sensitivity for the fault detection function is set in four levels. A fault status is detected when a status where a normal signal can not be detected consecutively for 5 tracks over the following track values.	Yes	
	FAULT DET LNG C-6: DV	0 1 2 3	1/2 3/4 7/8 15/16			

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C47	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER.	No	
C48	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed.	No	
C49	VITERBI MODE	0 1	OFF ON	Set whether viterbi decoding is to be performed or not for the playback data.	No	
C50	PB MODE	0 1 2	PB RP SL	Head selection for Playback.	No	
C51 C50	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode	No	
C52 C51	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking	No	
C53	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking Effective only at the time of TRACKING MOD = CTL.	No	
C54 C52	AUTO EQ	0 1	ON OFF	Setting of the adaptive function of the adaptive equalization filter.	No	Settings are effective only after loading completion.
C55	XCAN MODE	0 1	ON OFF	Crosstalk canceler ON/OFF setting.	No	
C56	BPF SW	0 1	OFF ON	BPF for Auto EQ of recording ON/OFF setting.	No	
C57	BPF FREQ	0 1	10MHz 30MHz	BPF band setting for recording adjustment.	No	
C58 C55 C53	DEFAULT			LOAD/SAVE of the Back up adjustment values. Operation: 1. Move the cursor to C58 (C53, C55) : DEFALT. 2. Turn the search dial and move the cursor to the desired operation item. SAVE: Save the present set values to the Back up memory LOAD: Load the saved back up values as the present set values. 3. When the set button is pressed, the selected operation will be performed and return will be made to the item setting screen. When the MUNU button is pressed, no operation will be performed and return to the item setting screen.	No	Settings are effective only after loading completion.

F00: VIDEO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
F01	V SETUP	0 1	OFF ON	This selects whether the set up menu item No.672: V OUT SETUP appears or not. 0: The setup menu item No.672 does not appear. 1: The setup menu item No.672 appears.	Yes	0: Sipping setting for AJ-HD150MC and AJ-HD150(model for Japan) 1: Sipping setting for AJ-HD150P
F02	720p	0 1	OFF ON	This selects whether the setup menu items No.020: SYS FORMAT and No.631: 720p to HD OUT / 720P to SD OUT appear or not. 0: The setup menu item No.020 nad No.631 do not appear. 1: The setup menu item No.020 nad No.631 appear.	Yes	0: Sipping setting for AJ-HD150MC 1: Sipping setting for AJ-HD150P and AJ-HD150(model for Japan)
F03	ASPECT	0 1	FIT_V CROP	This selects superimposed displays for setup menu items No.620:DOWNCON MODE and No.621:UPDOWN MODE. 0: DOWN convert: Side cut mode → FIT_V Letterbox mode → FIT_H Squeeze mode → FIT_HV Up convert: Side panel mode → FIT_V Top and bottom in vertical direction cut off → FIT_H 1: DOWN convert: Side cut mode → CROP Letterbox mode → LT-BOX Squeeze mode → SQUEEZ Up convert: Side panel mode → S-PANL Top and bottom in vertical direction cut off → CROP Stretch mode → STRECH	Yes	0: Sipping setting for AJ-HD150P and AJ-HD150MC 1: Sipping setting for AJ-HD150(model for Japan)

G00: AUDIO ADJUST

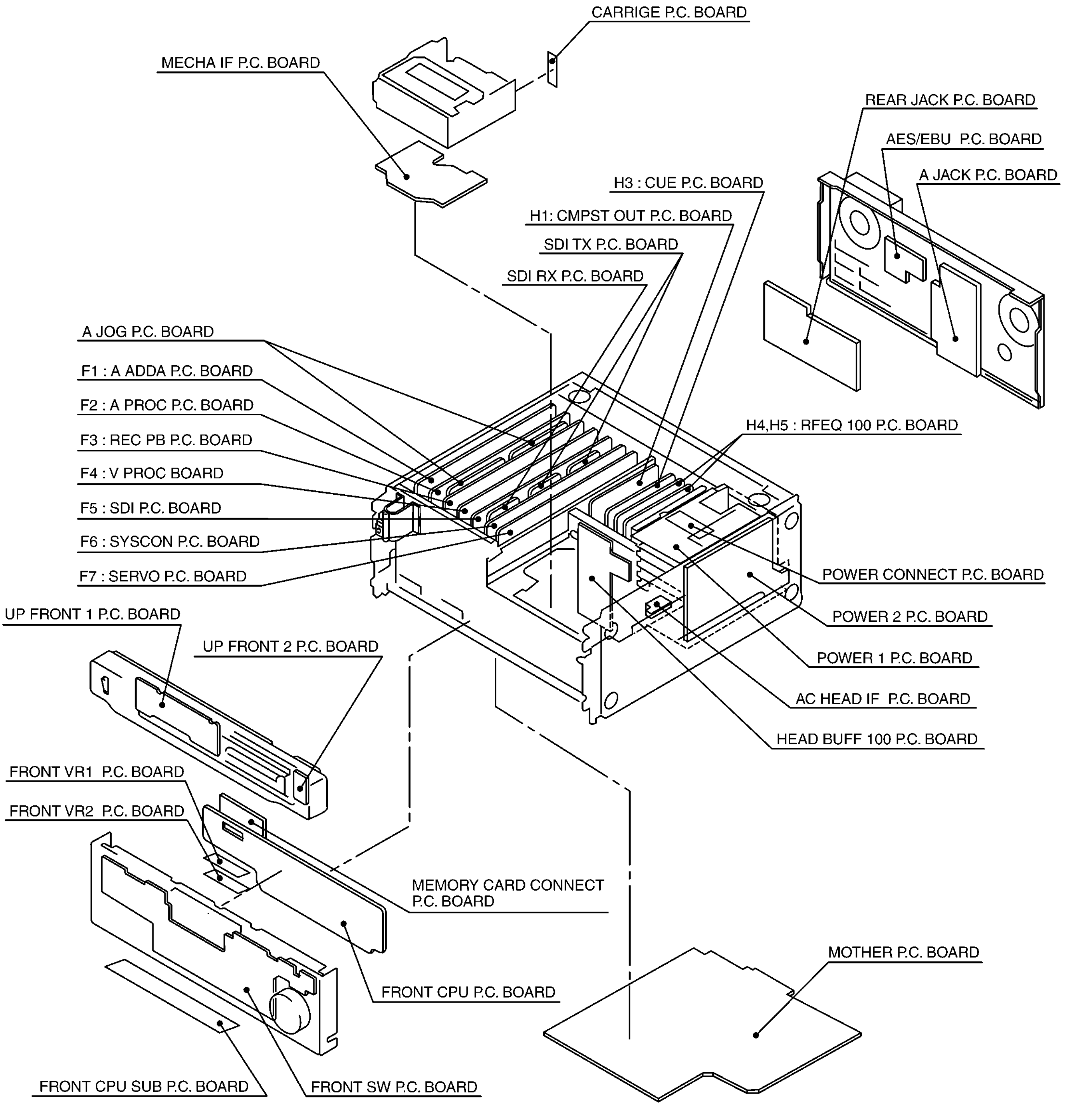
Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G01	REF_LEVEL1	0 1 2	FS-20 FS-18 FS-12	Selection of the audio I/O reference level 0: Full scale -20 dB 1: Full scale -18 dB 2: Full scale -12 dB Change of the set value is possible only when G02: REF_LEVEL2 = 0 dB has been set. At the time of FS-12 setting, there is no marker display when the front meter is in FINE mode display.	Yes	0: Sipping setting for AJ-HD150P and AJ-HD150(model for Japan) 1: Sipping setting for AJ-HD150MC
G02	REF_LEVEL2	0 1	0dB -3dB	Selection of the SETUP MENU set value for switching of the audio I/O reference level 0: The following items are displayed and 4 dB/0 dB/-20 dB (/-60 dB) switching is possible. 701: CH1 IN LV 706: CH1 OUT LV 702: CH2 IN LV 707: CH2 OUT LV 703: CH3 IN LV 708: CH3 OUT LV 704: CH4 IN LV 709: CH4 OUT LV 705: CUE IN LV 710: CUE OUT LV 711: MONIL OUT LV 712: MONIR OUT LV 1: Only 705: CUE IN LV is displayed and 4 dB/0 dB/-3 dB/-20 dB/-60 dB switching is possible. The following items are not displayed and they are fixed to -3 dB. 701: CH1 IN LV 706: CH1 OUT LV 702: CH2 IN LV 707: CH2 OUT LV 703: CH3 IN LV 708: CH3 OUT LV 704: CH4 IN LV 709: CH4 OUT LV 710: CUE OUT LV 711: MONIL OUT LV 712: MONIR OUT LV Set value change is possible only when G01: REF_LEVEL 1 = FS-18 has been set.	Yes	Not used

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G03	REF LV INI	0 1	0dB 4dB	Setting of the factory shipping value for the SETUP MENU for audio I/O reference level switching 701: CH1 IN LV 706: CH1 OUT LV 702: CH2 IN LV 707: CH2 OUT LV 703: CH3 IN LV 708: CH3 OUT LV 704: CH4 IN LV 709: CH4 OUT LV 705: CUE IN LV 710: CUE OUT LV 711: MONIL OUT LV 712: MONIR OUT LV	Yes	0: Sipping setting for AJ-HD150P and AJ-HD150MC 1: Sipping setting for AJ-HD150(model for Japan)

H00: OTHER ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
H01	STOP CODE	0 1	OFF ON	Select display SETUP MENU No.12: REC ADJUST, No.13: DET STOP and No.14: DET ADJUST 0: OFF 1: ON	Yes	0: Sipping setting for AJ-HD150P and AJ-HD150MC 1: Sipping setting for AJ-HD150(model for Japan)
H02	PRE CTL	0 1	OFF ON	Select display “PRE-CTL” on SETUP MENU No.113: REC INH. 0: OFF 1: ON	Yes	0: Sipping setting for AJ-HD150P and AJ-HD150MC 1: Sipping setting for AJ-HD150(model for Japan)
H03	FMT DISP	0 1	422 50M	This selects superimposed displays for the setup menu item No.23: FORMAT SELECT. 0: DVCPRO50(422)format → 422 DVCPRO(411)format → 411 DVCPRO50(420p)format → 420p 1: DVCPRO50(422)format → 50M DVCPRO(411)format → 25M DVCPRO50(420p)format → 50Mp	Yes	0: Sipping setting for AJ-HD150P and AJ-HD150MC 1: Sipping setting for AJ-HD150(model for Japan)
H04	STILL LIMIT	0 1 2	2min 8min 24min	This selects the upper limi of the setup menu item No.400: STILL TIMER. 0: 2min 1: 8min 2: 24min (factory use only)	Yes	
H06	T.RELEASE	0 1	DIS ENA	Select operation of tension release is enable or disenable on SETUP MENU No.401: SRC PROTECT and No.403: STOP PROTECT. (factory use only)	Yes	
H07	DET DISCONT	0 1	OFF ON	Respose for CCTV. Stop editing compulsorily for protect non sequence.	Yes	

14. CIRCUIT BOARD LAYOUT


CARRIGE P.C. BOARD
MECHA IF P.C. BOARD
REAR JACK P.C. BOARD
AES/EBU P.C. BOARD
A JACK P.C. BOARD
H3 : CUE P.C. BOARD
H1: CMPST OUT P.C. BOARD
SDI TX P.C. BOARD
SDI RX P.C. BOARD
A JOG P.C. BOARD
F1 : A ADDA P.C. BOARD
F2 : A PROC P.C. BOARD
F3 : REC PB P.C. BOARD
F4 : V PROC BOARD
F5 : SDI P.C. BOARD
F6 : SYSCON P.C. BOARD
F7 : SERVO P.C. BOARD
H4,H5 : RFEQ 100 P.C. BOARD
POWER CONNECT P.C. BOARD
POWER 2 P.C. BOARD
POWER 1 P.C. BOARD
AC HEAD IF P.C. BOARD
HEAD BUFF 100 P.C. BOARD
UP FRONT 1 P.C. BOARD
UP FRONT 2 P.C. BOARD
FRONT VR1 P.C. BOARD
FRONT VR2 P.C. BOARD
MEMORY CARD CONNECT P.C. BOARD
FRONT CPU P.C. BOARD
MOTHER P.C. BOARD
FRONT CPU SUB P.C. BOARD
FRONT SW P.C. BOARD

SECTION 2

DISASSEMBLY PROCEDURES

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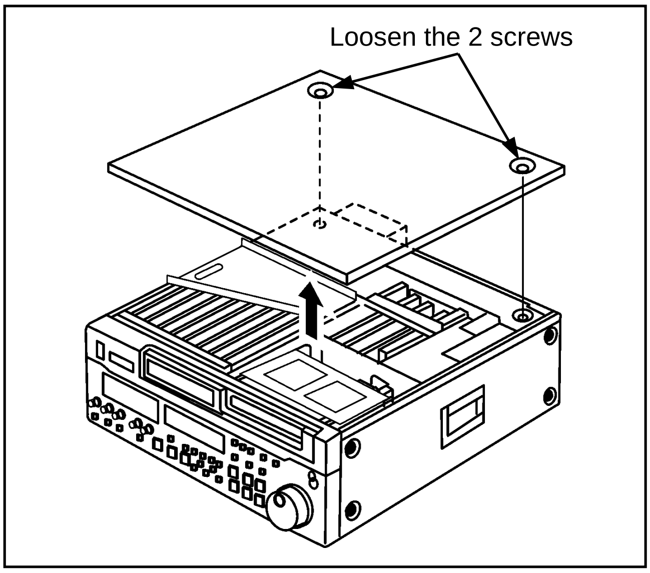
2. REMOVAL OF THE BOTTOM PANEL DIS-1
3. REMOVAL OF THE LOWER FRONT PANEL DIS-1
4. REMOVAL OF THE UPPER FRONT PANEL DIS-1
5. REMOVAL OF THE FRONT LOADING UNIT DIS-2
6. REMOVAL OF THE POWER SUPPLY UNIT DIS-2
7. REMOVAL OF THE MECHNISM UNIT DIS-3
8. REMOVAL OF THE FAN MOTOR DIS-4

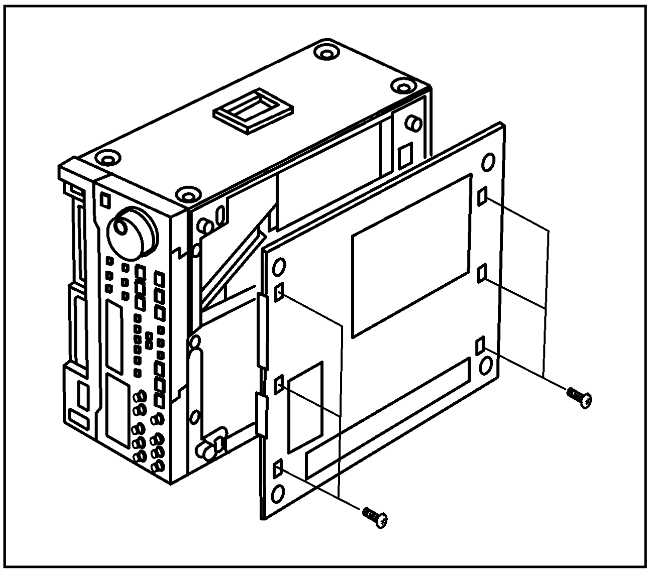
1. Removal of the Top Panel

1. Loosen the 2 screws and remove the Top Panel.



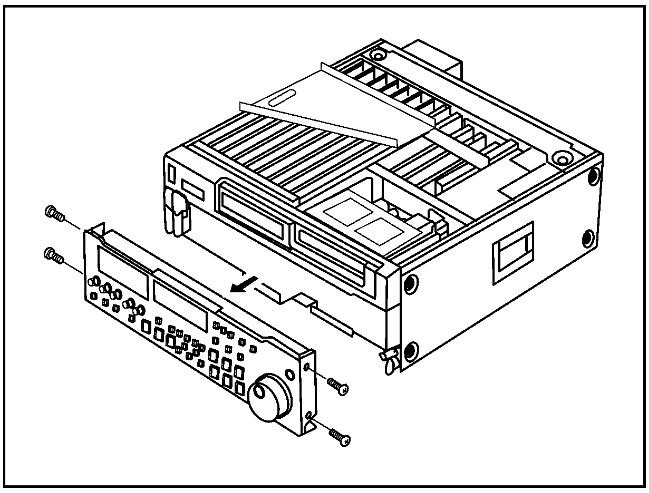
2. Removal of the Bottom Panel

1. Unscrew the 6 screws and remove the Bottom Panel.



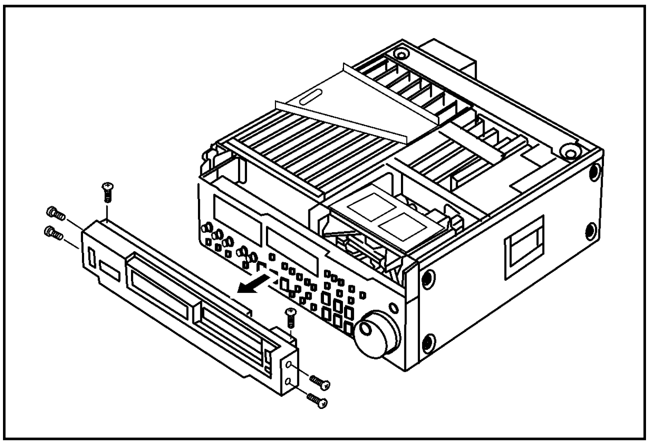
3. Removal of the Lower Front Panel

1. Unscrew the 4 screws on the both sides. Then draw it and remove the connector, and remove the Front Panel.



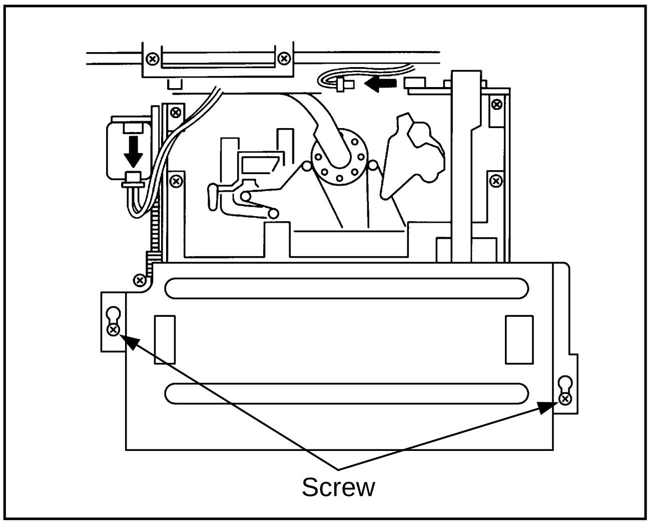
4. Removal of the Upper Front Panel

1. Unscrew the 4 screws on the both sides and 2 screws on the top side, then draw the Upper Front Panel.

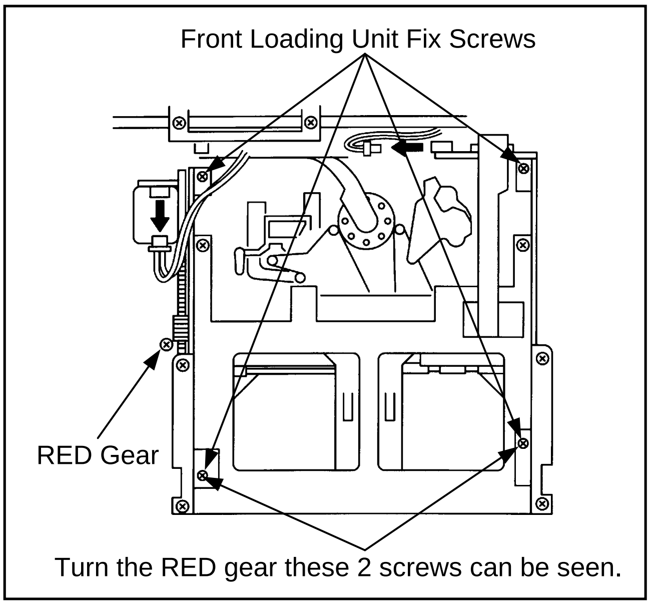


5. Removal of the Front Loading Unit

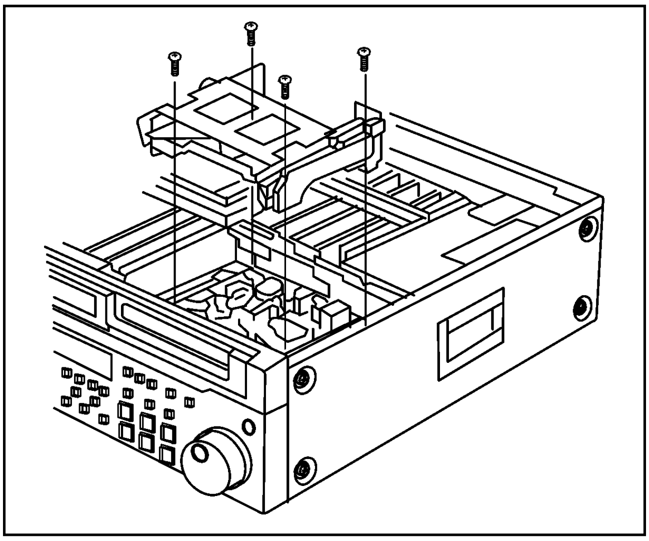
1. Loosen the 2 screws, slide and remove the Carriage Support Panel.



2. Disconnect the connectors on the front loading motor and interconnection board. Then turn the emergency RED gear to counterclockwise until the screws which fix Front Loading Unit can be seen.

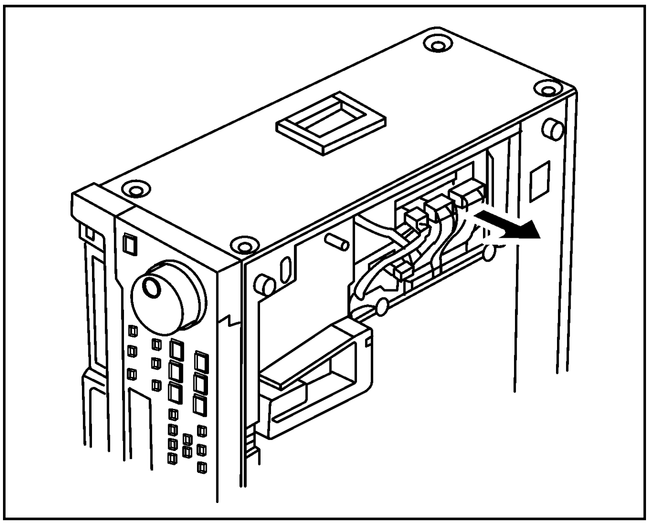

Front Loading Unit Fix Screws
RED Gear
Turn the RED gear these 2 screws can be seen.

3. Unscrew the 4 screws of the Front Loading Unit as shown below.

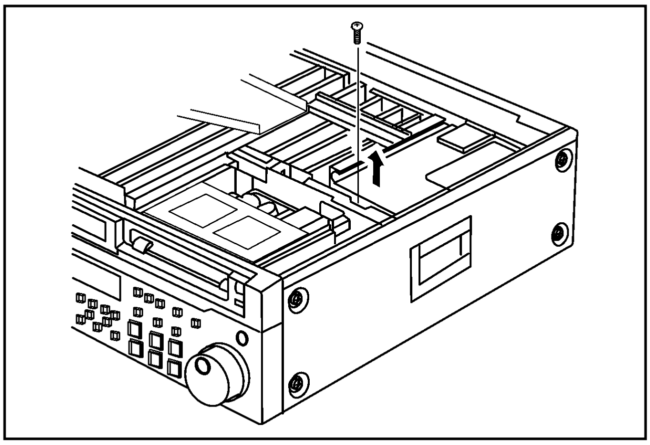


6. Removal of the Power Supply Unit

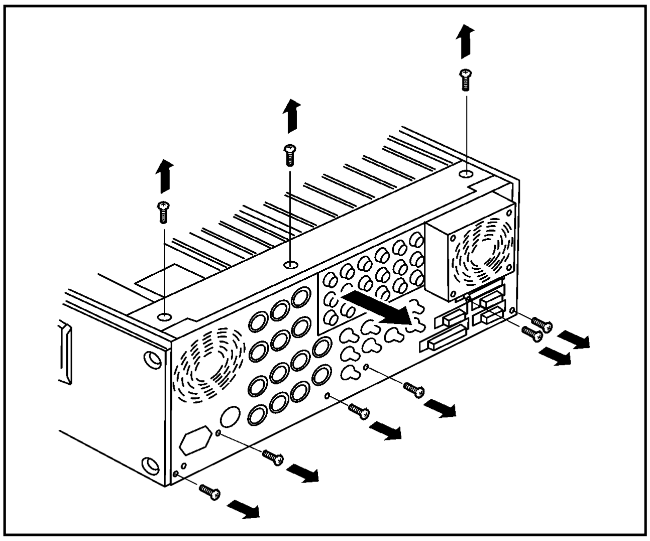
1. Disconnect the 5 connectors with the Power Supply Unit on the VTR bottom side.



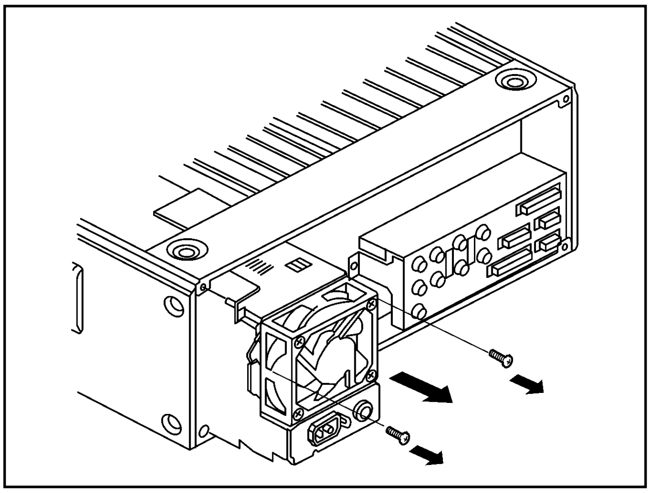
2. Unscrew a screw with the Power Supply Unit on the VTR top side.



3. Unscrew the 9 screws and remove the Rear Jack Panel Unit.

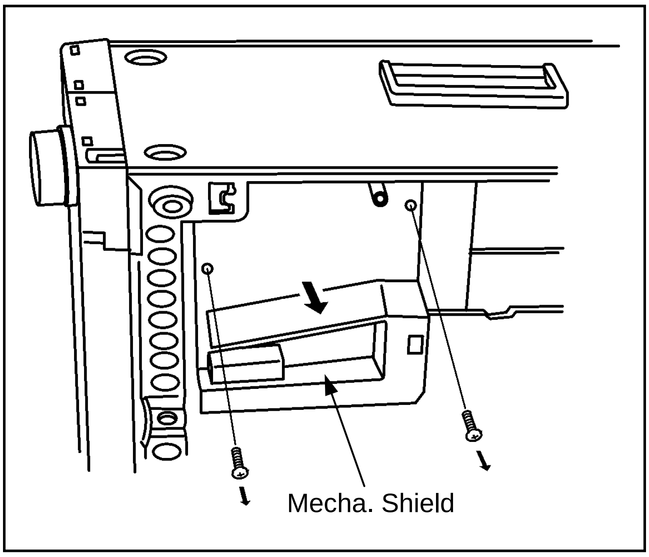


4. Unscrew the 2 screws on the Rear Jack Panel Unit which are used to fix the Power Supply Unit.

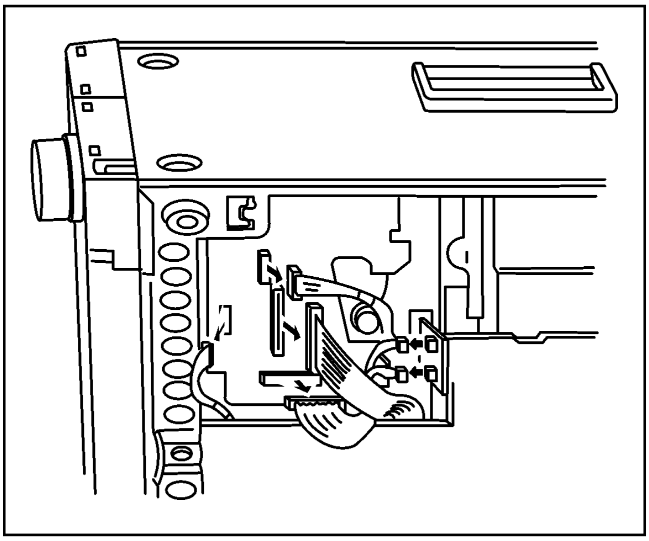


7. Removal of the Mechanism Unit

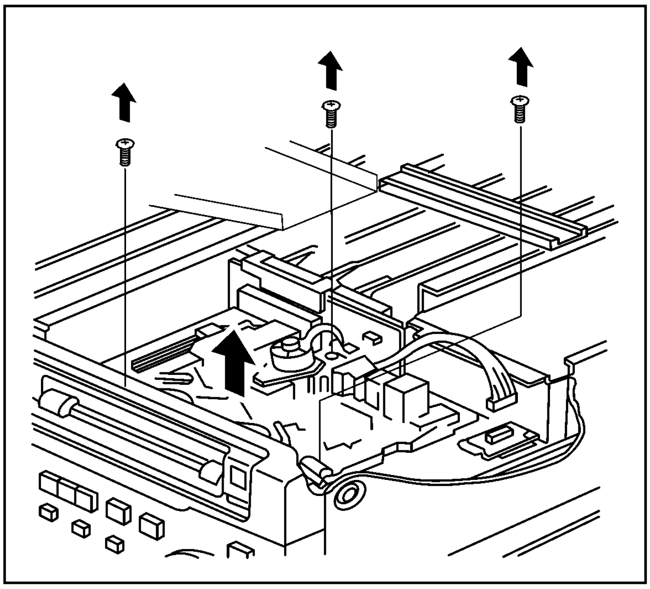
1. Remove the Front Loading Unit.
2. Unscrew the 2 screws with the Mecha. Shield on the VTR bottom side.



3. Disconnect the 4 connectors (on the MECH. I/F Board), and disconnect the 2 cables (on the HEAD BUFF 100 Board) on the VTR bottom side.

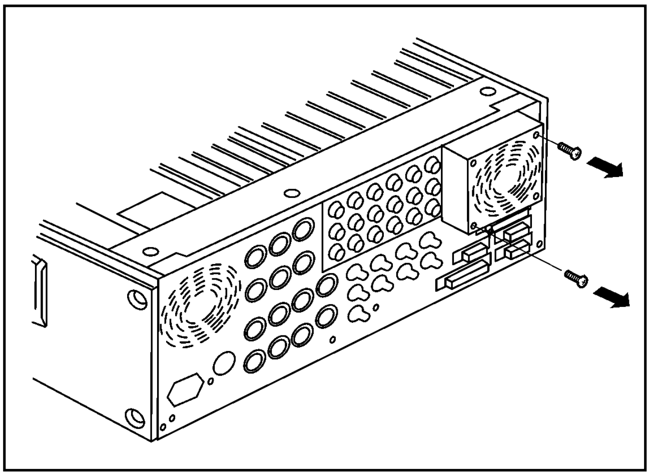


4. Disconnect a connector (on the A/C HEAD I/F Board), and disconnect a cable (on the HEAD BUFF 100 Board) on the VTR front side.

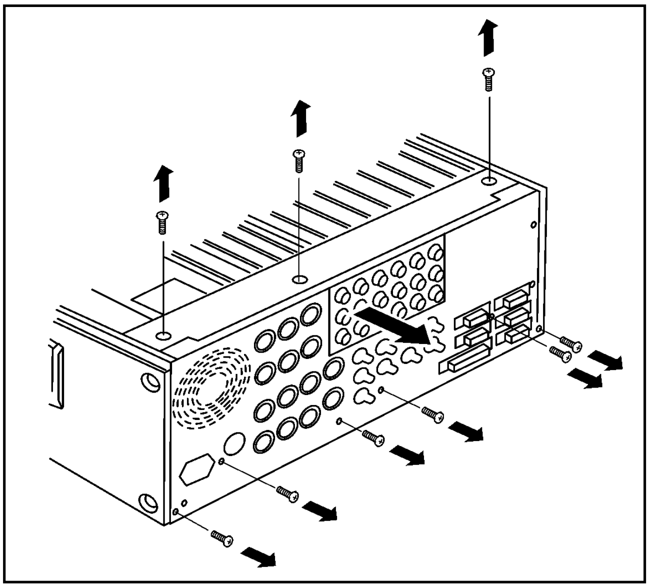


8. Removal of the Fan Motor

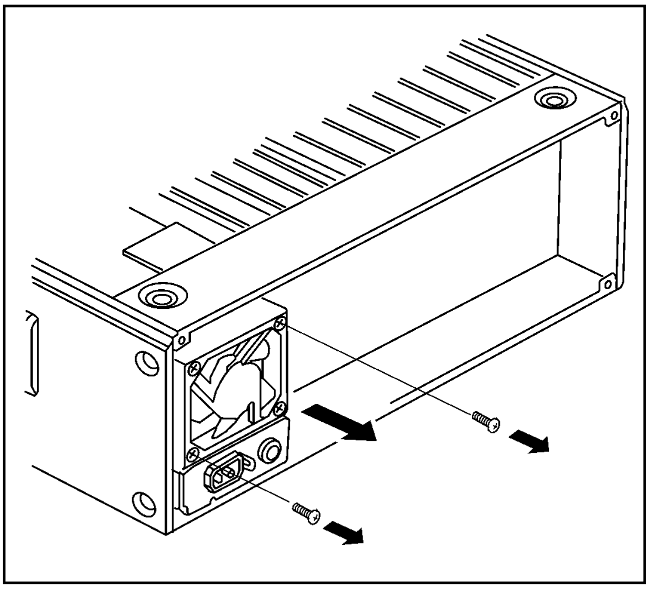
1. Unscrew the 2 screws and disconnect a connector (on the MOTHER Board), then remove the right side Fan Motor.



2. Unscrew the 9 screws and remove the Rear Jack Panel Unit.



3. Unscrew the 2 screws and disconnect a connector (on the POWER 2 Board), then remove the left side Fan Motor.



SECTION 3

ELECTRICAL ADJUSTMENTS

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1. POWER SUPPLY UNIT

1-1. Power Supply Voltage Adjustment

BOARD	POWER 2
TP	TP10, TP35 (on the extension board)
ADJ.	VR1 (1kΩ), VR2 (500Ω)
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	Digital Volt Meter
SPEC.	TP10 : +3.35V ± 0.03V TP35 : +5.15V ± 0.05V

1. Install the extension board between the MOTHER Board and the A ADDA (F1) Board.
2. Turn ON the power switch.
3. After complete the initialization (about 10 seconds later), observe the TP10 with the digital voltage meter and adjust the VR1 on the top side of the Power Supply Unit so that the voltage is within specification.
4. Observe the TP35 with the digital voltage meter, and adjust the VR2 on the top side of the Power Supply Unit so that the voltage is within specification.

2. SERVO (F7)

2-1. Motor Torque Offset Adjustment

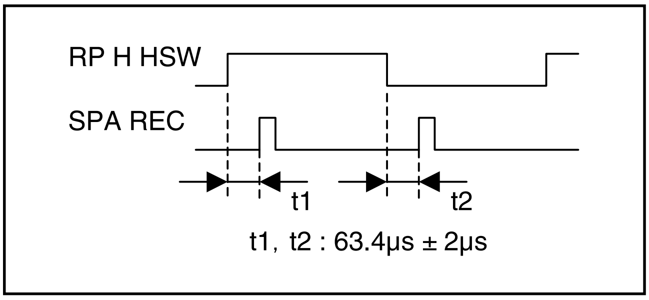
BOARD	SERVO (F7)
TP	Reel Motor
ADJ.	JOG DIAL
TAPE	-----
INPUT	-----
MODE	TEST
M. EQ	Torque dial
SPEC.	0.16 cN m ± 0.1 cN m (16 gf cm ± 1 gf cm) Average of measurement for five times

1. Set the pin-1 of the DIP SW on the back of the front panel and the MENU SW under the front panel to the ON status.
2. Adjust the marker to the "SERVO" position with the JOG DIAL, and set the SET SW to the ON status.
3. Adjust the marker to the "T REEL TRQ" position with the JOG DIAL.
4. Install the torque dial to the reel motor, identical to the setting, and press and hold the JOG/SHTL key.
5. After loading is complete, measure torque of the motor five times with a torque dial. Then, turn the JOG dial to change the torque offset value so that the average of measured values is within the range shown above.
6. For the S REEL TRQ, perform the steps 4 through 7 shown above to adjust the torque offset value.

2-2. PG Shifter Adjustment (1)

BOARD	SERVO (F7)
TP	TP722 (RP L HSW), TP729 (SPA REC)
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	PLAY
M. EQ	Monitor TV, Oscilloscope
SPEC.	TP722 (RP L HSW) Both ends - TP729 (SPA REC) Rising : 63.4μs ± 2μs

1. Open the servo adjustment menu, and select the "PG SHIFT 100".
2. Play back the alignment tape (25M color bar).
3. Press and hold the search button, and release it when the value on the right side of the "PG SHIFT 100" on the monitor display disappears, and is changed to the updated value.
   Confirm that the "RP L HSW - SPA REC" timing is as per the standards shown above with an oscilloscope.
4. Close the adjustment menu.

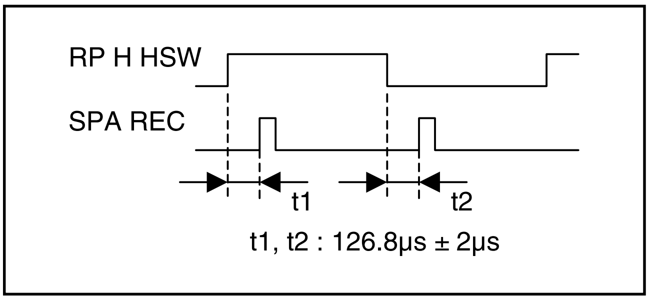


t1, t2 : 63.4μs ± 2μs

2-3. PG Shifter Adjustment (2)

BOARD	SERVO (F7)
TP	TP722 (RP L HSW), TP729 (SPA REC)
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	PLAY
M. EQ	Monitor TV, Oscilloscope
SPEC.	TP722 (RP H HSW) Both ends - TP729 (SPA REC) Rising : 126.8μs ± 2μs

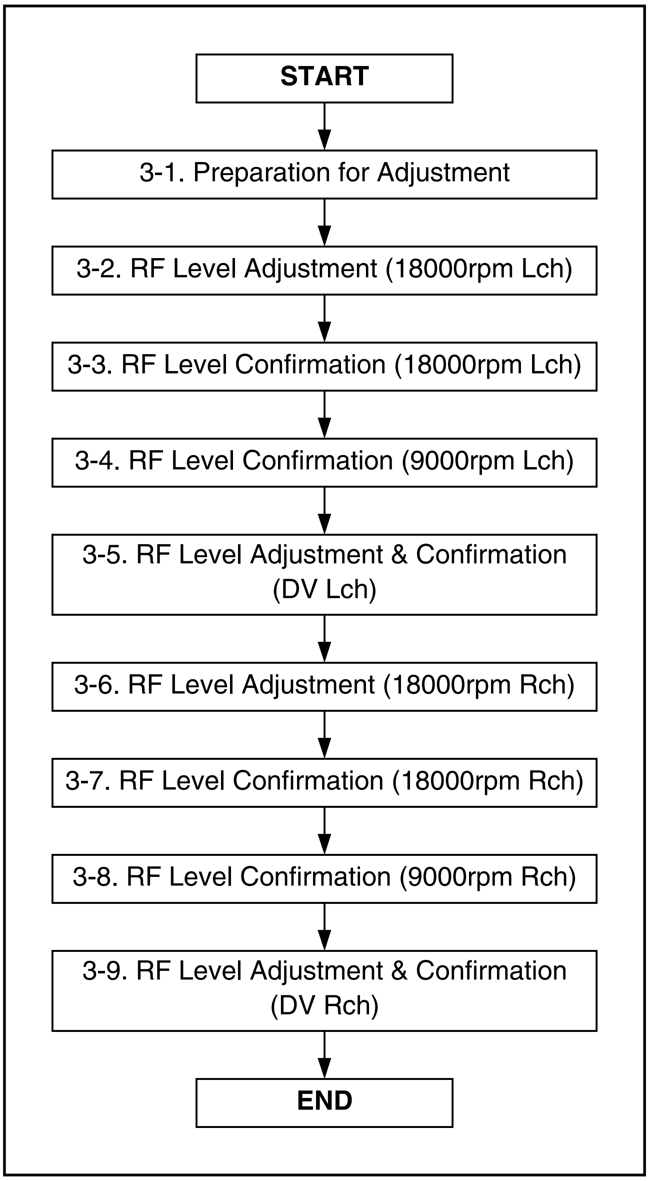
1. Open the servo adjustment menu, and select the "PG SHIFT 50".
2. Play back the alignment tape (25M color bar).
3. Press and hold the search button, and release it when the value on the right side of the "PG SHIFT 50" on the monitor display disappears, and is changed to the updated value.
4. Confirm that the "RP L HSW – SPA REC" timing is as per the standards shown above with an oscilloscope.
5. Close the adjustment menu.



t1, t2 : 126.8μs ± 2μs

3. RFEQ 100 (1) (H4/H5)

RFEQ 100 (1) Adj. Flow Chart


START
3-1. Preparation for Adjustment
3-2. RF Level Adjustment (18000rpm Lch)
3-3. RF Level Confirmation (18000rpm Lch)
3-4. RF Level Confirmation (9000rpm Lch)
3-5. RF Level Adjustment & Confirmation (DV Lch)
3-6. RF Level Adjustment (18000rpm Rch)
3-7. RF Level Confirmation (18000rpm Rch)
3-8. RF Level Confirmation (9000rpm Rch)
3-9. RF Level Adjustment & Confirmation (DV Rch)
END

3-1. Preparation for Adjustment

1. Turn ON the pin-1 of the DIP SW on the back of the Front Panel, and set the MODE SW on the Front Panel to TAPE side, then displayed Service Menu.
2. Execute the adjustment and setting of “B00 : RF ADJSUT” with inserting the tape.
3. Prepare below equipment before adjustment.

    Oscilloscope
    Monitor TV
    Signal Generator
    DVCPRO Alignment Tape
    (VFM3680KM or KL)
    DV Alignment Tape
    (VFM3110EDS)

3-2. RF Level Adjustment (18000rpm Lch)

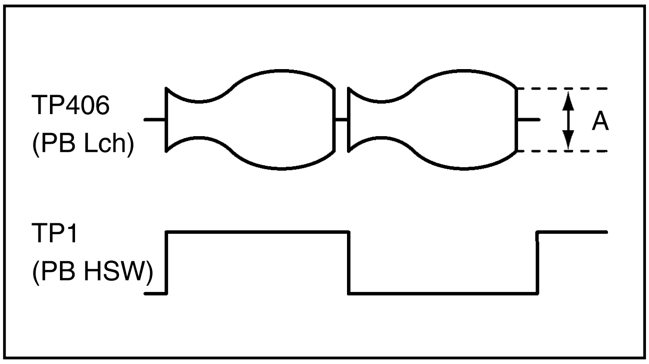
BOARD	RFEQ 100 (H4)
TP	TP406, TP405, TP551
ADJ.	EVR
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	A = 500 mVp-p ± 50 mV

< Menu setting >

B00 : RF ADJUST ⇒ B-0 : HD PB ADJUST

1. Playback the alignment tape.
2. Adjust so that the waveform of the every test points are within specification.

Test Point	EVR	Trigger
TP406 (PB Lch)	B01 : PB MAG L1 B02 : PB MAG L2	TP1 (PB HSW)
TP405 (RP Lch)	B05 : RP MAG L1 B06 : RP MAG L2	TP2 (RP HSW)
TP551 (SL Lch)	B09 : SL MAG L1 B10 : SL MAG L2	TP3 (SL HSW)



3. After adjustment is complete, save the data.

Saving : Move the cursor to the **B24 : DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

3-3. RF Level Confirmation (18000rpm Lch)

BOARD	RFEQ 100 (H4)
TP	TP404, TP403
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	A = 500 mVp-p ± 100 mV

1. Confirm that the waveform of the every test points are within specification.

Test Point	Trigger
TP404 (PB Lch ATF)	TP1 (PB HSW)
TP403 (RP LchATF)	TP2 (RP HSW)

3-4. RF Level Confirmation (9000rpm Lch)

BOARD	RFEQ 100 (H4)
TP	TP406, TP405, TP404, TP403, TP551
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	ENV MAX Value : 500 mVp-p ± 100 mV

< Menu setting >

B00 : RF ADJUST ⇒ B-2 : SD ADJUST
(Set to 9,000 rotation mode automatically.)

Test Point	Trigger
TP406 (PB Lch)	TP1 (PB HSW)
TP405 (RP Lch)	TP2 (RP HSW)
TP404 (PB Lch ATF)	TP1 (PB HSW)
TP403 (RP Lch ATF)	TP2 (RP HSW)
TP551 (SL Lch)	TP3 (SL HSW)

1. Confirm that the waveform of the every test points are within specification.

3-5. RF Level Adjustment and Confirmation (DV Lch)

BOARD	RFEQ 100 (H4)
TP	TP405, TP403
ADJ.	EVR
TAPE	VFM3110EDS (DV Alignment Tape)
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	TP405 : 500 mVp-p ± 50 mV (ENV MAX) TP403 : 500 mVp-p ± 100 mV (ENV MAX)

< Menu setting >

B00 : RF ADJUST ⇒ B-3 : DV ADJUST

1. Playback the DV Alignment Tape.
2. Adjust with the service menu so that the envelope max value at the TP405 is within specification.

Test Point	Trigger
TP405 (RP Lch)	TP2 (RP HSW)

3. After adjustment is complete, save the data.

   Saving : Move the cursor to the **B11 : DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

4. Next, confirm that the envelope max value at the TP403 is within specification.

Test Point	Trigger
TP403 (RP Lch ATF)	TP2 (RP HSW)

3-6. RF Level Adjustment (18000rpm Rch)

BOARD	RFEQ 100 (H5)
TP	TP406, TP405, TP551
ADJ.	EVR
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	ENV MAX Value : 500 mVp-p ± 50 mV

< Menu setting >

B00 : RF ADJUST ⇒ B-0 : HD PB ADJUST

Test Point	EVR	Trigger
TP406 (PB Lch)	B03 : PB MAG R1 B04 : PB MAG R2	TP1 (PB HSW)
TP405 (RP Lch)	B07 : RP MAG R1 B08 : RP MAG R2	TP2 (RP HSW)
TP551 (SL Rch)	B11 : SL MAG R1 B12 : SL MAG R2	TP3 (SL HSW)

1. Playback the alignment tape.
2. Adjust the EVR so that the waveform of the every test points are within specification.
3. After adjustment is complete, save the data.

   Saving : Move the cursor to the **B24 : DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

3-7. RF Level Confirmation (18000rpm Rch)

BOARD	RFEQ 100 (H5)
TP	TP404, TP403
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	A = 500 mVp-p ± 100 mV

1. Confirm that the waveform of the every test points are within specification.

Test Point	Trigger
TP404 (PB Rch ATF)	TP1 (PB HSW)
TP403 (RP Rch ATF)	TP2 (RP HSW)

3-8. RF Level Confirmation (9000rpm Rch)

BOARD	RFEQ 100 (H5)
TP	TP406, TP405, TP404, TP403, TP551
ADJ.	-----
TAPE	VFM3680Km or KL
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	ENV MAX Value : 500 mVp-p ± 100 mV

< Menu setting >

B00 : RF ADJUST ⇒ B-2 : SD ADJUST

Test Point	Trigger
TP406 (PB Rch)	TP1 (PB HSW)
TP405 (RP Rch)	TP2 (RP HSW)
TP404 (PB Rch ATF)	TP1 (PB HSW)
TP403 (RP Rch ATF)	TP2 (RP HSW)
TP551 (SL Rch)	TP3 (SL HSW)

1. Playback the alignment tape.
2. Confirm that the waveform of the every test points are within specification.

3-9. RF Level Adjustment and Confirmation (DV Rch)

BOARD	RFEQ 100 (H5)
TP	TP405, TP403
ADJ.	EVR
TAPE	VFM3110EDS (DV Alignment Tape)
INPUT	-----
MODE	STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	TP405 : 500 mVp-p ± 50 mV (ENV MAX) TP403 : 500 mVp-p ± 100 mV (ENV MAX)

< Menu setting >

B00 : RF ADJUST ⇒ B-3 : DV ADJUST

1. Playback the DV Alignment Tape.
2. Adjust with the service menu so that the envelope max value at the TP405 is within specification.

Test Point	EVR	Trigger
TP405 (RP Rch)	RP MAG R1 RP MAG R2	TP2 (RP HSW)

3. After adjustment is complete, save the data.

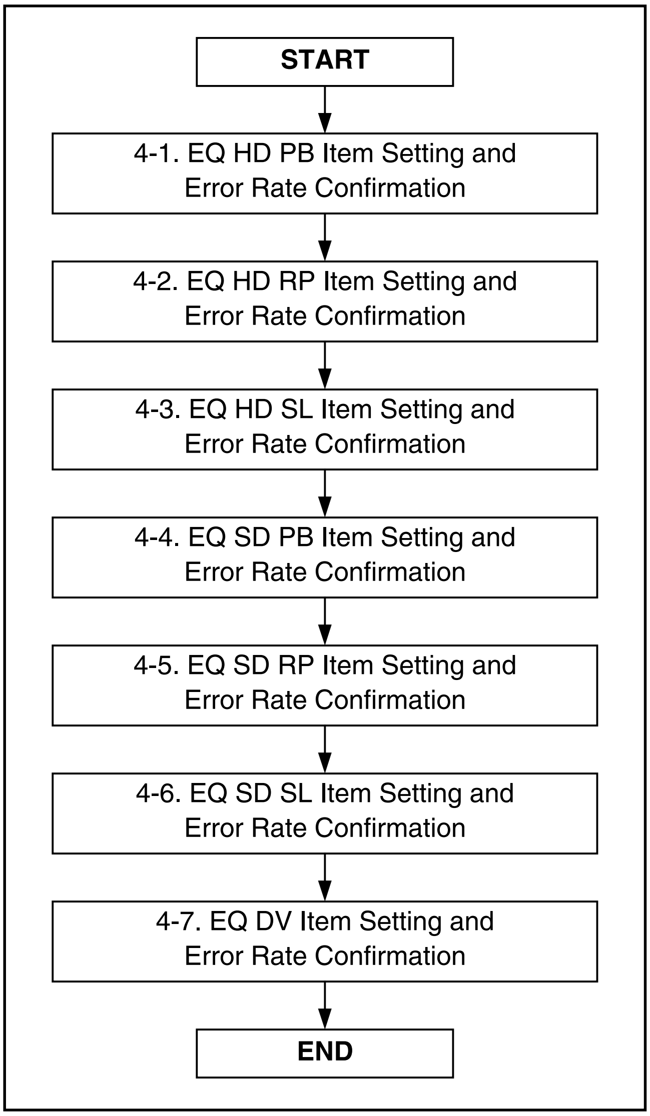
Saving : Move the cursor to the **B11 : DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

4. Next, confirm that the envelope max value at the TP403 is within specification.

Test Point	Trigger
TP403 (RP Rch ATF)	TP2 (RP HSW)

4. RFEQ 100 (2) (H4/H5)

RFEQ 100 (2) Adj. Flow Chart


START
4-1. EQ HD PB Item Setting and Error Rate Confirmation
4-2. EQ HD RP Item Setting and Error Rate Confirmation
4-3. EQ HD SL Item Setting and Error Rate Confirmation
4-4. EQ SD PB Item Setting and Error Rate Confirmation
4-5. EQ SD RP Item Setting and Error Rate Confirmation
4-6. EQ SD SL Item Setting and Error Rate Confirmation
4-7. EQ DV Item Setting and Error Rate Confirmation
END

4-1. EQ HD PB Item Setting and Error Rate Confirmation

BOARD	RFEQ 100 (H4, H5)
TP	-----
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STANDBY OFF, PLAY
M. EQ	Monitor TV
SPEC.	Error Rate : less than 6 scales

NOTE : Set the mode SW on the Front Panel to “TAPE” side, and “Audio Meter Display” change to “Error Rate Display”.

< HD PB Item Setting >

1. Switch the **C00 : EQ ADJUST** to the **C-0 : HD PB ADJUST** from the service menu.
2. Playback the alignment tape, and place the unit to STANDBY OFF condition.
3. Move the cursor to the **C58 : DEFAULT**, and press the SET button.
4. Move the cursor onto the **LSI to SYS**, and press the SET button. (reading the C29 : PB VCO L and C30 : PB VCO R)
5. Confirm the **PB MODE** set to **PB**.
6. Playback the tape and confirm the error rate is not maximum.
7. Execute the **LSI to SYS** on **C58 : DEFAULT** again. (reading the C05 to C28 : PB C *)
8. Save the data.

Saving : Move the cursor to the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

< Error Rate Confirmation of HD PB Item >

(18000rpm PB Head PLAY)

1. Switch the **C00 : EQ ADJUST** to the **C-0 : HD PB ADJUST** from the service menu.
2. Playback the alignment tape.
3. Confirm the **C50 : PB MODE** set to **PB**.
4. INT (Video Error Rate) and EXT (Audio Error Rate) switches alternately by switching the TC SW on the Front Panel, Confirm that the both error rate (INT and EXT) are within specification.

4-2. EQ HD RP Item Setting and Error Rate Confirmation

BOARD	RFEQ 100 (H4, H5)
TP	-----
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STANDBY OFF, PLAY
M. EQ	Monitor TV
SPEC.	Error Rate : less than 6 scales

< HD RP Item Setting >

1. Switch the **C00 : EQ ADJUST** to the **C-1 : HD RP ADJUST** from the service menu.
2. Playback the alignment tape, and place the unit to STANDBY OFF condition.
3. Move the cursor to the **C55 : DEFAULT**, and press the SET button.
4. Move the cursor onto the **LSI to SYS**, and press the SET button. (reading the C29 : PB VCO L and C30 : PB VCO R)
5. Confirm the **C50 : PB MODE** set to **RP**.
6. Playback the tape and confirm the error rate is not maximum.
7. Execute the **LSI to SYS** on **C55 : DEFAULT** again. (reading the C05 to C28 : PB C *)
8. Save the data.

Saving : Move the cursor to the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

< Error Rate Confirmation of HD RP Item >

(18000rpm RP Head PLAY)

1. Switch the **C00 : EQ ADJUST** to the **C-1 : HD RP ADJUST** from the service menu.
2. Playback the alignment tape.
3. Confirm the **C50 : PB MODE** set to **RP**.
4. INT (Video Error Rate) and EXT (Audio Error Rate) switches alternately by switching the TC SW on the Front Panel, Confirm that the both error rate (INT and EXT) are within specification.

4-3. EQ HD SL Item Setting and Error Rate Confirmation

BOARD	RFEQ 100 (H4, H5)
TP	-----
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STANDBY OFF, PLAY
M. EQ	Monitor TV
SPEC.	Error Rate : less than 6 scales

< HD SL Item Setting >

1. Switch the **C00 : EQ ADJUST** to the **C-2 : HD SL ADJUST** from the service menu.
2. Playback the alignment tape, and place the unit to STANDBY OFF condition.
3. Move the cursor onto the **C55 : DEFAULT**, and press the SET button.
4. Move the cursor onto the **LSI to SYS**, and press the SET button. (reading the C29 : PB VCO L and C30 : PB VCO R)
5. Confirm the **C50 : PB MODE** set to **SL**.
6. Playback the tape and confirm the error rate is not maximum.
7. Execute the **LSI to SYS** on **C55 : DEFAULT** again. (reading the C05 to C28 : PB C *)
8. Save the data.

Saving : Move the cursor to the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

< Error Rate Confirmation of HD SL Item >
(18000rpm SL Head PLAY)

1. Switch the **C00 : EQ ADJUST** to the **C-2 : HD SL ADJUST** from the service menu.
2. Playback the alignment tape.
3. Confirm the **C50 : PB MODE** set to **SL**.
4. INT (Video Error Rate) and EXT (Audio Error Rate) switches alternately by switching the TC SW on the Front Panel, confirm that the both error rate (INT and EXT) are within specification.

4-4. EQ SD PB Item Setting and Error Rate Confirmation

BOARD	RFEQ 100 (H4, H5)
TP	-----
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STANDBY OFF, PLAY
M. EQ	Monitor TV
SPEC.	Error Rate : less than 6 scales

< SD PB Item Setting >

1. Switch the **C00 : EQ ADJUST** to the **C-3 : SD PB ADJUST** from the service menu.
2. Playback the alignment tape, and place the unit to STANDBY OFF condition.
3. Move the cursor onto the **C55 : DEFAULT**, and press the SET button.
4. Move the cursor onto the **LSI to SYS**, and press the SET button. (reading the C29 : PB VCO L and C30 : PB VCO R)
5. Confirm the **C50 : PB MODE** set to **PB**.
6. Playback the tape and confirm the error rate is not maximum.
7. Execute the **LSI to SYS** on **C55 : DEFAULT** again. (reading the C05 to C28 : PB C *)
8. Save the data.

Saving : Move the cursor to the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

< Error Rate Confirmation of SD PB Item >
(9000rpm PB Head PLAY)

1. Switch the **C00 : EQ ADJUST** to the **C-3 : SD PB ADJUST** from the service menu.
2. Playback the alignment tape.
3. Confirm the **C50 : PB MODE** set to **PB**.
4. INT (Video Error Rate) and EXT (Audio Error Rate) switches alternately by switching the TC SW on the Front Panel, confirm that the both error rate (INT and EXT) are within specification.

4-5. EQ SD RP Item Setting and Error Rate Confirmation

BOARD	RFEQ 100 (H4, H5)
TP	-----
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STANDBY OFF, PLAY
M. EQ	Monitor TV
SPEC.	Error Rate : less than 6 scales

< SD RP Item Setting >

1. Switch the **C00 : EQ ADJUST** to the **C-4 : SD RP ADJUST** from the service menu.
2. Playback the alignment tape, and place the unit to STANDBY OFF condition.
3. Move the cursor onto the **C55 : DEFAULT**, and press the SET button.
4. Move the cursor onto the **LSI to SYS**, and press the SET button. (reading the C29 : RP VCO L and C30 : RP VCO R)
5. Confirm the **C50 : PB MODE** set to **RP**.
6. Playback the tape and confirm the error rate is not maximum.
7. Execute the **LSI to SYS** on **C55 : DEFAULT** again. (reading the C05 to C28 : RP C *)
8. Save the data.

Saving : Move the cursor to the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

< Error Rate Confirmation of SD RP Item >
(9000rpm RP Head PLAY)

1. Switch the **C00 : EQ ADJUST** to the **C-4 : SD RP ADJUST** from the service menu.
2. Playback the alignment tape.
3. Confirm the **C50 : PB MODE** set to **RP**.
4. INT (Video Error Rate) and EXT (Audio Error Rate) switches alternately by switching the TC SW on the Front Panel, confirm that the both error rate (INT and EXT) are within specification.

4-6. EQ SD SL Item Setting and Error Rate Confirmation

BOARD	RFEQ 100 (H4, H5)
TP	-----
ADJ.	-----
TAPE	VFM3680KM or KL
INPUT	-----
MODE	STANDBY OFF, PLAY
M. EQ	Monitor TV
SPEC.	Error Rate : less than 6 scales

< SD SL Item Setting >

1. Switch the **C00 : EQ ADJUST** to the **C-5 : SD SL ADJUST** from the service menu.
2. Playback the alignment tape, and place the unit to STANDBY OFF condition.
3. Move the cursor onto the **C55 : DEFAULT**, and press the SET button.
4. Move the cursor onto the **LSI to SYS**, and press the SET button. (reading the C29 : SL VCO L and C30 : SL VCO R)
5. Confirm the **C50 : PB MODE** set to **SL**.
6. Playback the tape and confirm the error rate is not maximum.
7. Execute the **LSI to SYS** on **C55 : DEFAULT** again. (reading the C05 to C28 : PB C *)
8. Save the data.

Saving : Move the cursor to the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

< Error Rate Confirmation of SD SL Item >
(9000rpm SL Head PLAY)

1. Switch the **C00 : EQ ADJUST** to the **C-5 : SD SL ADJUST** from the service menu.
2. Playback the alignment tape.
3. Confirm the **C50 : PB MODE** set to **SL**.
4. INT (Video Error Rate) and EXT (Audio Error Rate) switches alternately by switching the TC SW on the Front Panel, confirm that the both error rate (INT and EXT) are within specification.

4-7. EQ DV Item Setting and Error Rate Confirmation

BOARD	RFEQ 100 (H4, H5)
TP	TP401 (RP Lch), TP2 (RP HSW)
ADJ.	Service Menu
TAPE	VFM3110EDS (DV Alignment Tape)
INPUT	-----
MODE	STANDBY OFF, PLAY, STILL
M. EQ	Oscilloscope, Monitor TV
SPEC.	See below.

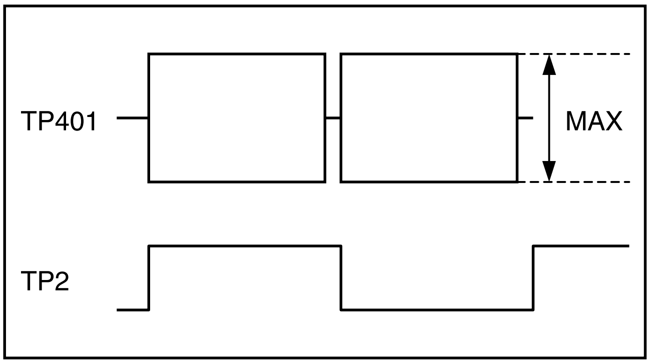
< DV Item Setting >

1. Switch the **C00 : EQ ADJUST** to the **C-6 : DV ADJUST** from the service menu.
2. Load the DV color master tape, and enter the STANDBY OFF status.
3. Move the cursor onto the **C53 : DEFAULT**, and press the SET button.
4. Move the cursor onto the **LSI to SYS**, and press the SET button. (reading the C29 : RP VCO L and C30 : RP VCO R)
5. Set the tape to the STILL status.
6. Perform the **LSI to SYS** procedure again with the tape set to the STILL status. (reading the C05 to C28 : RP C *)
7. Save the data.

Saving : Move the cursor to the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

< DV Item Error Rate Confirmation >
(9000rpm RP Lch Head PLAY)

1. Switch the **C00 : EQ ADJUST** to the **C-6 : DV ADJUST** from the service menu.
2. Playback the DV alignment tape.
   (The tape will be played back at a double speed because playback in the DV ADJUST menu is similar to the on-track playback.)
3. Adjust the item, **C51 : TRACKING VAL**, in the menu so that the envelope level of the TP401 (RP Lch) is maximized.
   (Trigger : TP2 RP HSW of RFEQ 100 Board.)
4. Next, exactly adjust the item, **C51 : TRACKING VAL**, in the menu so that the Lch error rate is minimized.
5. Confirm that the Lch error rate satisfies the standard shown below.
   SPEC. : Error rates indicated on the level meter shall be less than 6 scales for both of VIDEO and AUDIO.
   (For the DV playback, the optimum TRACKING VAL for the VIDEO error rate may be different from that for the AUDIO error rate. The both error rates do not need to be less than 6 scales at a time.)

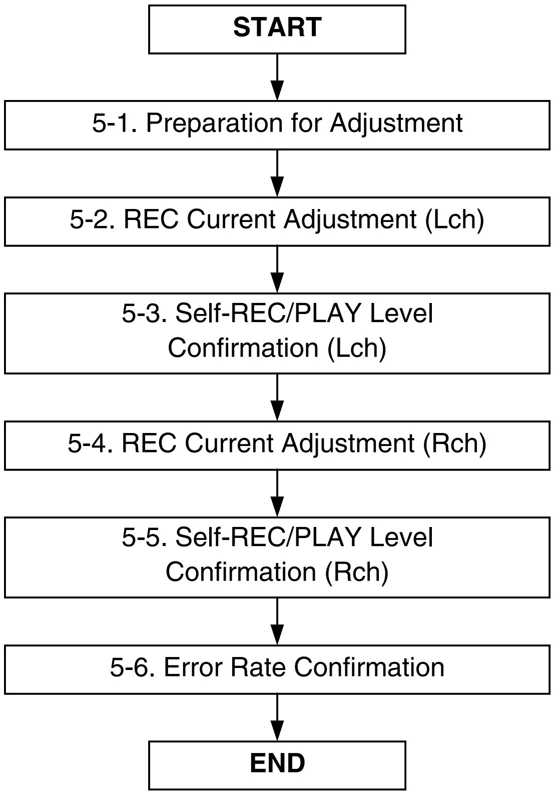


< DV Item Error Rate Confirmation >
(9000rpm RP Rch Head PLAY)

1. Adjust the item, **C51 : TRACKING VAL**, in the menu so that the envelope level of the TP401 (RP Rch) of the RFEQ 100 (H5) BOARD. is maximized. (Trigger : TP2 RP HSW of H5P plate)
2. Next, exactly adjust the item, **C51 : TRACKING VAL**, in the menu so that the Rch error rate is minimized.
3. Confirm that the Rch error rate is within specification.
   SPEC. : Error rates indicated on the level meter shall be less than 6 scales for both of VIDEO and AUDIO.

5. RFEQ 100 (3) (H4/H5)

RFEQ 100 (3) Adj. Flow Chart


START
5-1. Preparation for Adjustment
5-2. REC Current Adjustment (Lch)
5-3. Self-REC/PLAY Level Confirmation (Lch)
5-4. REC Current Adjustment (Rch)
5-5. Self-REC/PLAY Level Confirmation (Rch)
5-6. Error Rate Confirmation
END

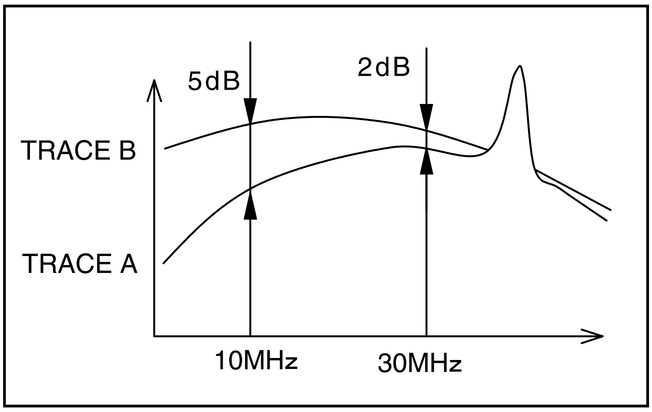
5-1. Preparation for Adjustment

1. Set the input signal to Internal Color Bar.
   < INT. SG. Setting >
   1. Open the Set-up Menu and select “600 : VIDEO IN SEL”, and set to “INT. SG”.
   2. Set to “CB” in the “601 : VIDEO INT. SG”.
2. Set the Spectrum Analyzer as shown below.
   REF LEVEL : -15dBm
   ATTEN : 10dB
   dB/DIV : 5dB
   START : 0MHz
   STOP : 50MHz
   RES BW : 1MHz
   VBW : 3kHz
   SWP : 75ms
   TRIG : EXT
3. Turn ON the pin-1 of the DIP SW on the back of the Front Panel.
4. Set as follows in the Service Menu.
   RF ADJUST ⇒ HD REC ADJUST
5. Set the MODE SW on the Front Panel to TAPE side.

5-2. REC Current Adjustment (Lch)

BOARD	RFEQ 100 (H4), HEAD BUFF 100
TP	TP301 (HEAD BUFF 100), TP1 (RFEQ 100)
ADJ.	Service Menu
TAPE	Self-REC/PLAY Tape
INPUT	INT SIG Color Bar
MODE	REC
M.EQ	Spectrum Analyzer, Monitor TV
SPEC.	See below.

1. Turn ON the power of the deck.
2. Connect the TP301 (PB LCH) in the HEAD BUFF 100 Board. to a spectrum analyzer. Connect the EXT TRIG of the spectrum analyzer to the TP1 (PBL HSW) in the RFEQ 100 (H4) Board.
3. Set the service menu as shown below.
   RF ADJUST ⇒ HD REC ADJUST
   B01 : REC CURR L1 ⇒ 120
   B02: REC FREQ L1 ⇒ -120
   B03 : REC CURR L2 ⇒ 120
   B04 : REC FREQ L2 ⇒ -120
4. Load the self-recording tape, and perform normal recording.
5. Include spectrum into the **TRACE B**, and continue to observe it with the **TRACE A**.
6. Decrease the **REC CURR L1** and **REC CURR L2** so that the difference between the **TRACE A and B** at 10 MHz level is within the range of 5dB ± 0.5 dB.
7. Next, increase the **REC FREQ L1** and **REC FREQ L2** so that the difference between the **TRACE A and B** at 30 MHz level is within the range of 2dB ± 0.5 dB. Refer to the graph shown below.



8. Increase the **REC CURR L1** and **REC CURR L2** by 120 from the current values.
   (Ex : when the value is -40, -40 + 120 = 80)
9. Save the adjusted value.

Saving : Move the cursor onto the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

5-3. Self-REC/PLAY Level Confirmation (Lch)

BOARD	RFEQ 100 (H4), HEAD BUFF 100
TP	TP301 (HEAD BUFF 100)
ADJ.	Service Menu
TAPE	Self-REC/PLAY Tape, VFM3680KM or KL
INPUT	INT SIG Color Bar
MODE	REC
M. EQ	Spectrum Analyzer, Monitor TV
SPEC.	TRACE B – TRACE A = ± 2dB

1. Perform normal recording, and playback just recorded portion.
2. Include the signal of the TP301 (PB LCH) in the HEAD BUFF 100 Board into the TRACE B of the spectrum analyzer.
3. Next, playback the 25M alignment tape, and include the signals on the tape into the TRACE A.
4. Confirm that the difference between the TRACE A and B is ± 2dB or less when the spectrum analyzer is set to 10 MHz.

5-4. REC Current Adjustment (Rch)

BOARD	RFEQ 100 (H5), HEAD BUFF 100
TP	TP401 (HEAD BUFF 100), TP1 (RFEQ 100)
ADJ.	Service Menu
TAPE	Self-REC/PLAY Tape
INPUT	INT SIG Color Bar
MODE	REC
M. EQ	Spectrum Analyzer, Monitor TV
SPEC.	See below.

1. Turn ON the power of the deck.
2. Connect the TP401 (PB LCH) in the HEAD BUFF 100 Board to the spectrum analyzer. Connect the EXT TRIG of the spectrum analyzer to the TP1 (PBR HSW) in the RFEQ 100 (H5) Board.
3. Set the service menu as shown below.
   RF ADJUST ⇒ HD REC ADJUST
   REC CURR R1 ⇒ 120
   REC FREQ R1 ⇒ -120
   REC CURR R2 ⇒ 120
   REC FREQ R2 ⇒ -120
4. Load the self-recording tape, and perform normal recording.
5. Include spectrum into the **TRACE B**, and continue to observe it with the **TRACE A**.
6. Decrease the **REC CURR R1** and **REC CURR R2** so that the difference between the **TRACE A and B** at 10 MHz level is within the range of 5dB ± 0.5dB.
7. Next, increase the **REC FREQ R1** and **REC FREQ R2** so that the difference between the **TRACE A and B** at 30 MHz level is within the range of 2dB ± 0.5dB.
8. Increase the **REC CURR R1** and **REC CURR R2** by 120 from the current values.
   (Ex : when the value is -40, -40 + 120 = 80)
9. Save the adjusted value.

   Saving : Move the cursor onto the **DEFAULT** in the adjustment menu, and press the SET button. When the message "SAVE" appears, press the SET button again for saving.

5-5. Self-REC/PLAY Level Confirmation (Rch)

BOARD	RFEQ 100 (H5), HEAD BUFF 100
TP	TP401 (HEAD BUFF 100)
ADJ.	Service Menu
TAPE	Self-REC/PLAY Tape, VFM3680KM or KL
INPUT	INT SIG Color Bar
MODE	REC
M. EQ	Spectrum Analyzer, Monitor TV
SPEC.	TRACE B – TRACE A = ± 2dB

1. Perform normal recording, and playback the recorded tape.
2. Include the signal of the TP401 (PB RCH) in the HEAD BUFF 100 Board into the TRACE B of the spectrum analyzer.
3. Next, playback the 25M alignment tape, and include the signals on the tape into the TRACE A.
4. At 10 MHz, confirm that the difference between the TRACE A and B is ± 2 dB or less when the spectrum analyzer is set to 10 MHz.

5-6. Error Rate Confirmation

BOARD	RFEQ 100, HEAD BUFF 100
TP	AUDIO Level Meter
ADJ.	Service Menu
TAPE	Self-REC/PLAY Tape
INPUT	-----
MODE	PLAY
M. EQ	-----
SPEC.	-----

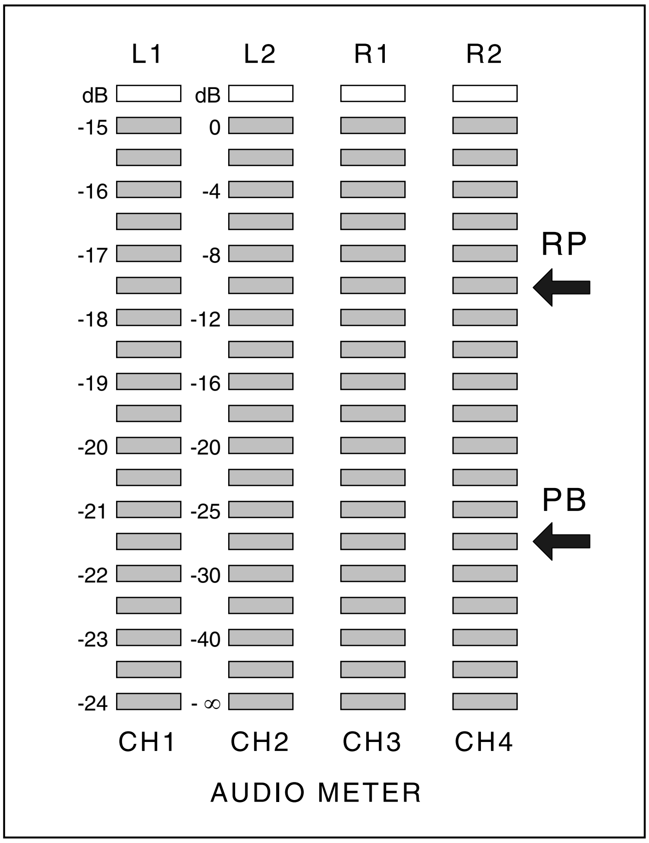
1. Set the No.1 dip switch on the back of the front panel to the ON status.
2. Set the MODE switch located on the front side to the TAPE side.
3. Load the recording tape, and perform normal recording.
4. Check the L1, L2, R1, and R2 error rates with the front audio meter, and confirm that the simultaneous playback error rates during the recording is within specification. (Switch the VIDEO/AUDIO measurement with the front TCSW.)

   SPEC. : Error rates indicated on the audio meter shall be less than 14 scales. (for both of VIDEO and AUDIO)

Front TC SW	Error measurement mode
Front TC INT	VIDEO error measuring
Front TC EXT	AUDIO error measuring

5. Next, playback the recorded tape, and check the error rate (for both of VIDEO and AUDIO).

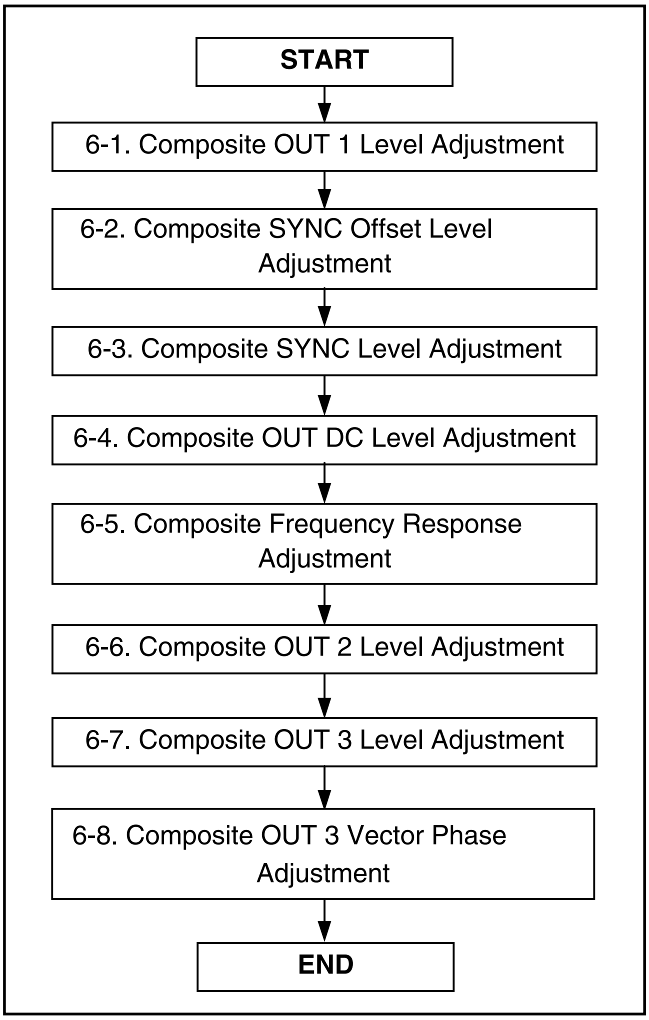
   SPEC. : Error rates indicated on the audio meter shall be less than 6 scales (for both of VIDEO and AUDIO)
6. Return the TC switch to the INT side, and set the No.1 dip switch on the back of the front panel to the OFF status.
7. Eject the tape, and turn the power OFF.



6. CMPST OUT (H1)

Set-up Menu
023 : FORMAT SEL : 422
Mode SW (on the Front Panel) : TAPE

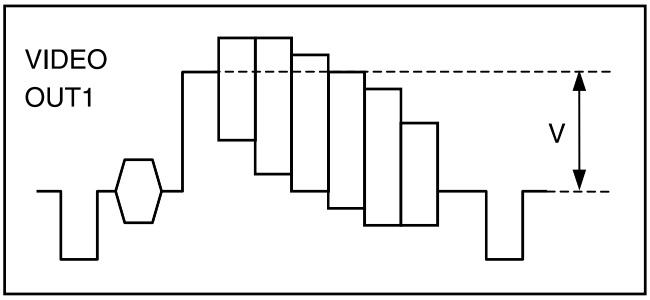
CMPST OUT Adj. Flow Chart


START
6-1. Composite OUT 1 Level Adjustment
6-2. Composite SYNC Offset Level Adjustment
6-3. Composite SYNC Level Adjustment
6-4. Composite OUT DC Level Adjustment
6-5. Composite Frequency Response Adjustment
6-6. Composite OUT 2 Level Adjustment
6-7. Composite OUT 3 Level Adjustment
6-8. Composite OUT 3 Vector Phase Adjustment
END

6-1. Composite OUT 1 Level Adjustment

BOARD	CMPST OUT (H1)
TP	VIDEO OUT 1
ADJ.	VR401 (ENC LEVEL) (C-1)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	PLAY
M. EQ	WFM
SPEC.	V = 700mV ± 5mV

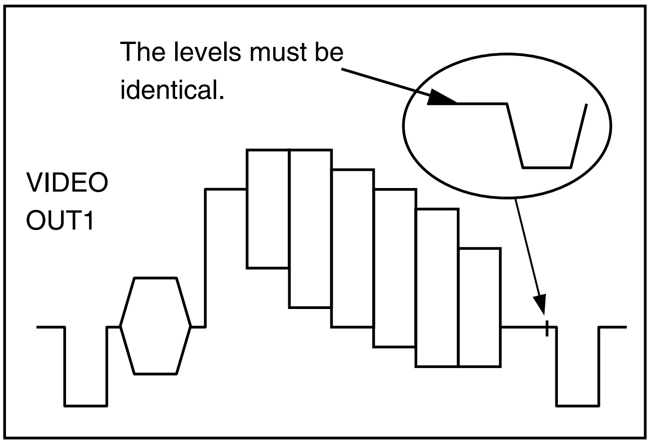
1. Observe the VIDEO OUT 1, and adjust the VR401 so that the Video level (V) is within specification.


VIDEO
OUT1
V

6-2. Composite SYNC Offset Level Adjustment

BOARD	CMPST OUT (H1)
TP	VIDEO OUT 1
ADJ.	VR403 (OFST) (D-1)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	STOP
M. EQ	WFM
SPEC.	See below.

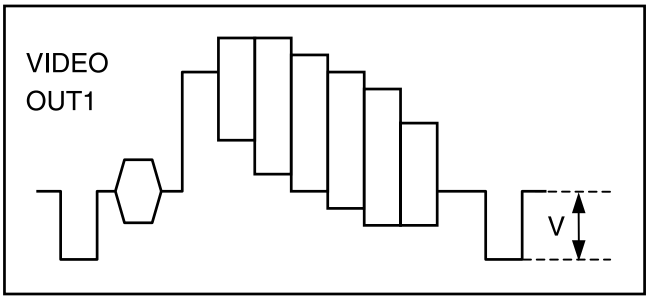
1. Observe the VIDEO OUT 1, and adjust the VR403 so that the standard level of the sync part agrees with the pedestal part level.


The levels must be identical.
VIDEO
OUT1

6-3. Composite SYNC Level Adjustment

BOARD	CMPST OUT (H1)
TP	VIDEO OUT 1
ADJ.	VR400 (SYNC LVL) (I-3)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	PLAY
M. EQ	WFM
SPEC.	V = 300mV ± 3mV

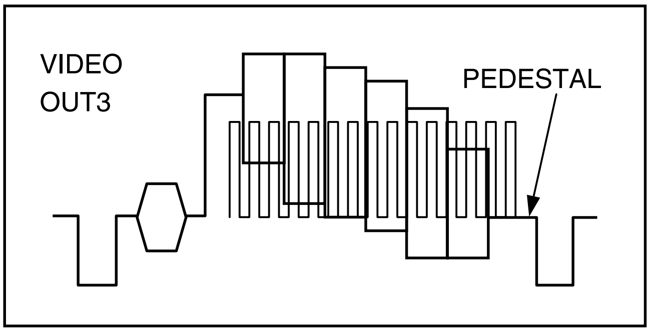
1. Observe the VIDEO OUT 1, and adjust the VR400 so that the SYNC level (V) is 300 mV±3 mV.



6-4. Composite OUT DC Level Adjustment

BOARD	CMPST OUT (H1)
TP	VIDEO OUT 3
ADJ.	VR405 (ENC DC LEL) (D-1)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	PLAY
M. EQ	WFM
SPEC.	See below.

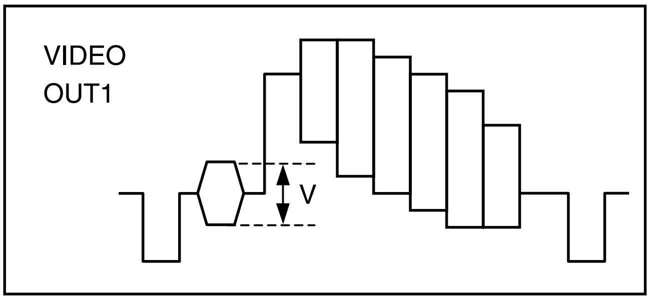
1. Observe the VIDEO OUT 3, and adjust the VR405 so that the character black level agrees with the pedestal part level.



6-5. Composite Frequency Response Adjustment

BOARD	CMPST OUT (H1)
TP	VIDEO OUT1
ADJ.	VR404 (ENC FREQ) (D-1)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	PLAY
M. EQ	WFM
SPEC.	V = 300mV±3mV

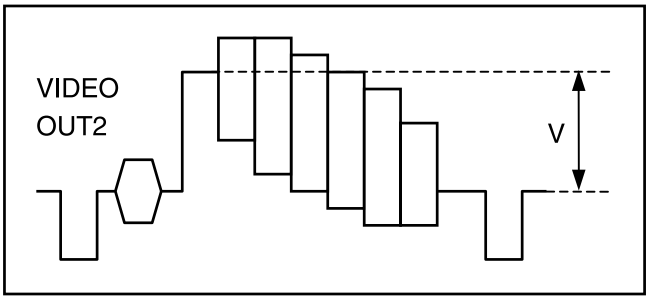
1. Observe the VIDEO OUT 1, and adjust the VR404 so that the V level is within specification.



6-6. Composite OUT 2 Level Adjustment

BOARD	CMPST OUT (H1)
TP	VIDEO OUT 2
ADJ.	VR407 (VIDEO 2 LVL) (E-2)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	STOP
M. EQ	WFM
SPEC.	V= 700mV ± 5mV

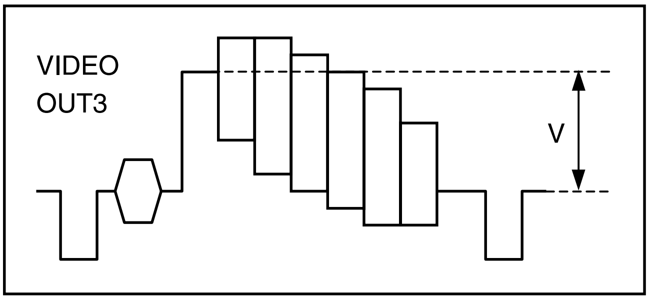
1. Observe the VIDEO OUT 2, and adjust the VR407 so that the V level is 700 mV ± 5 mV.



6-7. Composite OUT 3 Level Adjustment

BOARD	CMPST OUT (H1)
TP	VIDEO OUT3
ADJ.	VR406 (VIDEO 3 LVL) (D-2)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	STOP
M. EQ	WFM
SPEC.	V = 700mV ± 5mV

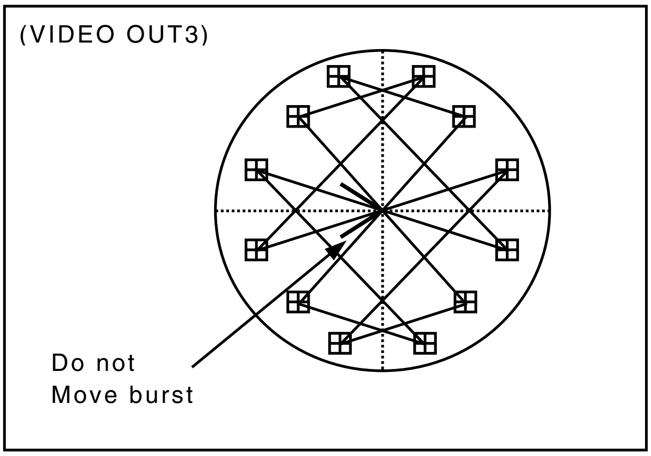
1. Observe the VIDEO OUT 3, and adjust the VR406 so that the V level is 700 mV ± 5 mV.



6-8. Composite OUT 3 Vector Phase Adjustment

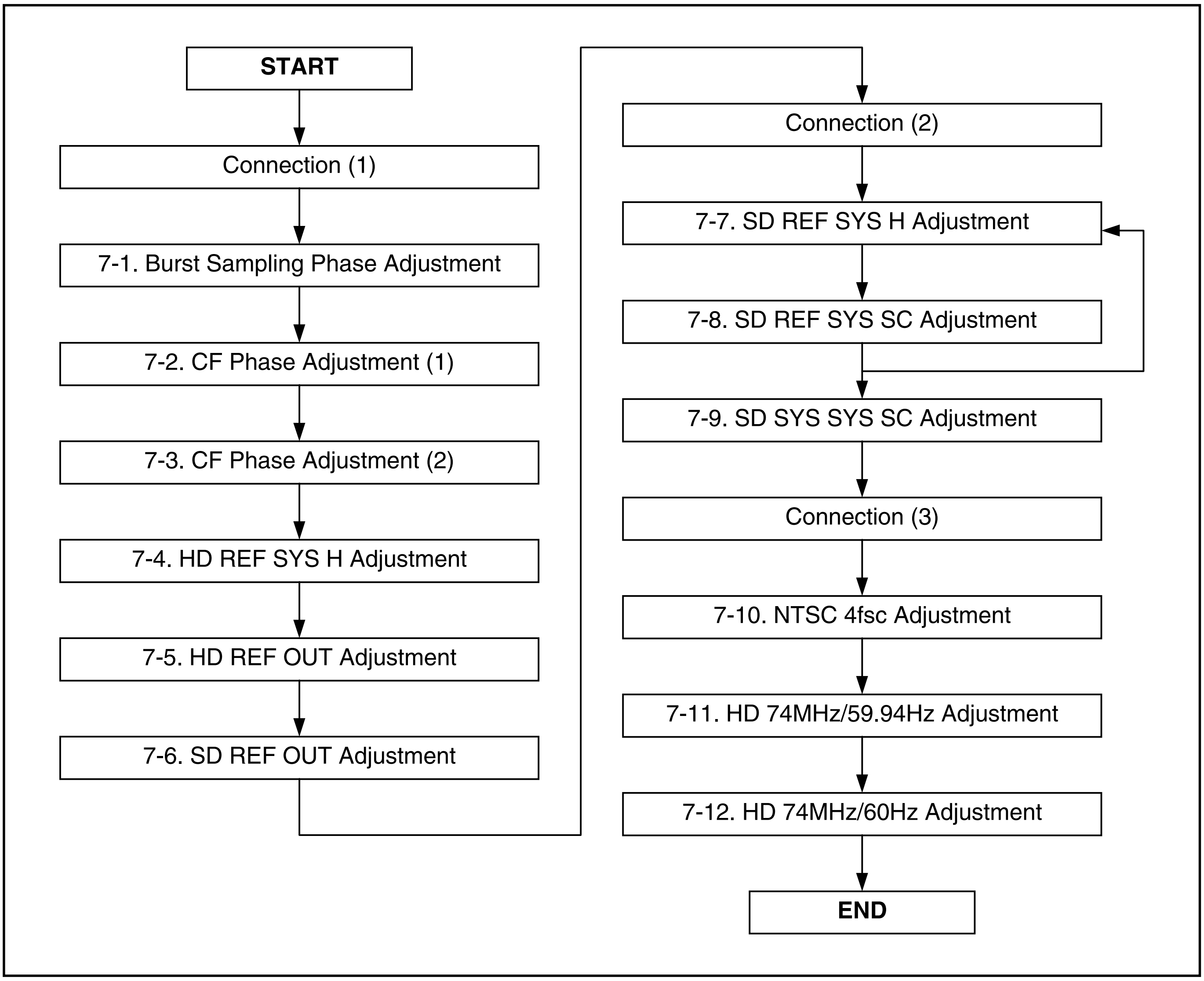
BOARD	CMPST OUT (H1)
TP	VIDEO OUT 3
ADJ.	VC400 (VIDEO 2 FREQ) (D-2)
TAPE	VFM3480KM (100% Color Bar : 0min. to 4min.)
INPUT	SD REF IN = BB (w/ CF flag)
MODE	STOP
M. EQ	Vector Scope
SPEC.	All vectors are in the Inner Boxes

1. Observe the VIDEO OUT 3, and adjust the VC400 so that the colour bar each vector points are in the square mark on the vector scope.

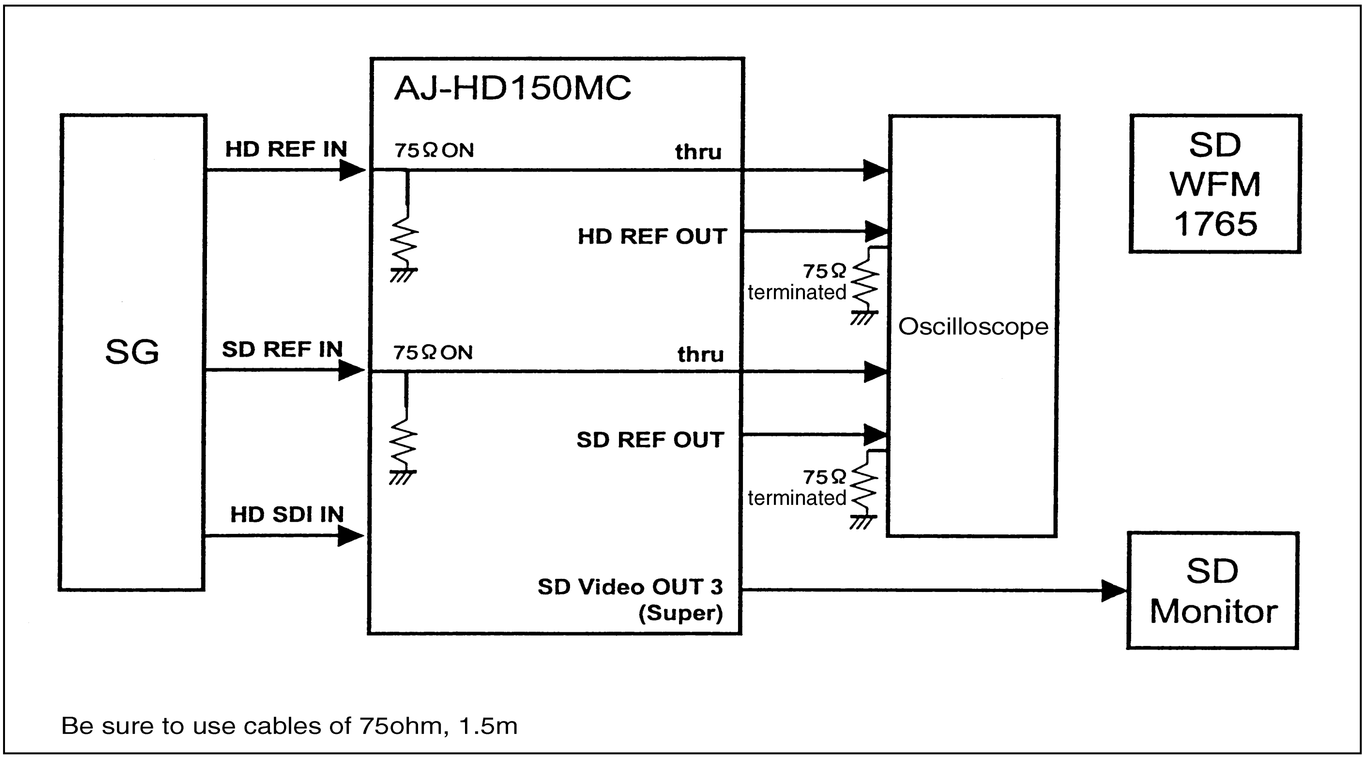


7. V PROC (F4)

V PROC Adjustment Flow Chart


START
Connection (1)
7-1. Burst Sampling Phase Adjustment
7-2. CF Phase Adjustment (1)
7-3. CF Phase Adjustment (2)
7-4. HD REF SYS H Adjustment
7-5. HD REF OUT Adjustment
7-6. SD REF OUT Adjustment
Connection (2)
7-7. SD REF SYS H Adjustment
7-8. SD REF SYS SC Adjustment
7-9. SD SYS SYS SC Adjustment
Connection (3)
7-10. NTSC 4fsc Adjustment
7-11. HD 74MHz/59.94Hz Adjustment
7-12. HD 74MHz/60Hz Adjustment
END

Connection (1)


AJ-HD150MC
SG
HD REF IN
75Ω ON
thru
HD REF OUT
75Ω terminated
SD REF IN
75Ω ON
thru
SD REF OUT
75Ω terminated
HD SDI IN
SD Video OUT 3 (Super)
Oscilloscope
SD WFM 1765
SD Monitor

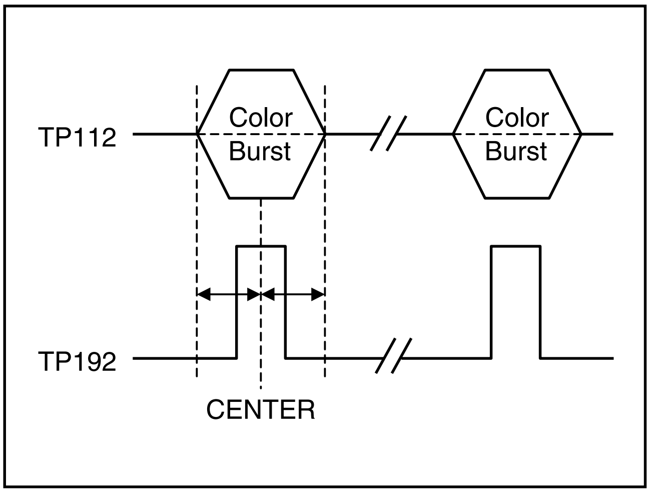
Be sure to use cables of 75ohm, 1.5m

7-1. Burst Sampling Phase Adjustment

Perform the aging for approx. 15 minutes before adjustment.

BOARD	V PROC (F4)
TP	TP192, TP112
ADJ.	PAL S/H : VR191
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN : BB / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	Oscilloscope
SPEC.	Center ± 250nsec

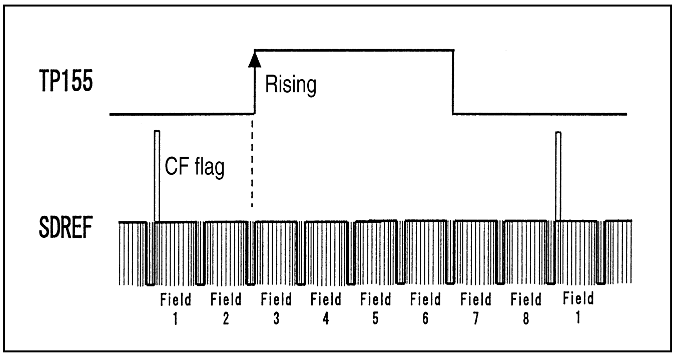
1. Adjust the VR191 so that the center of the TP192 sample pulse corresponds to that of the TP112 burst signal


TP112
Color Burst
Color Burst
TP192
CENTER

7-2. CF Phase Adjustment (1)

BOARD	V PROC (F4)
TP	TP155, SD REF IN Through OUT
ADJ.	PAL CF : VR193
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB (w/ CF flag) / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	Oscilloscope
SPEC.	Field3 = TP155 Rising Edge

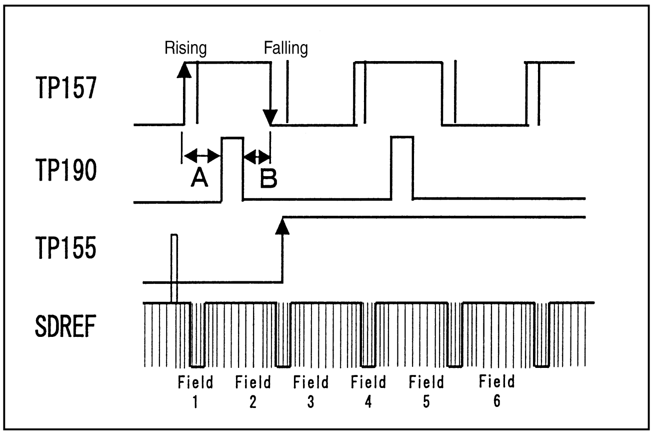
1. To an oscilloscope, input the signal identical to that is input (through) to the SD REF IN.
2. Fully turn the VR193 counterclockwise.
3. Next, slowly turn the VR193 clockwise.
4. Stop turning it when Field 3 of the SD REFT input agrees with the TP155 rising.


TP155
Rising
CF flag
SDREF
Field 1
Field 2
Field 3
Field 4
Field 5
Field 6
Field 7
Field 8
Field 1

7-3. CF Phase Adjustment (2)

BOARD	V PROC (F4)
TP	TP157, TP190
ADJ.	PAL CF : VR193
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB (w/ CF flag) / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	Oscilloscope
SPEC.	A-B=0 ± 2 msec

1. Adjust the VR192 so that the pulse of the TP190 comes to the center of the TP157 rising and falling.
2. Confirm the previous phase.


Rising
Falling
TP157
TP190
A
B
TP155
SDREF
Field 1
Field 2
Field 3
Field 4
Field 5
Field 6

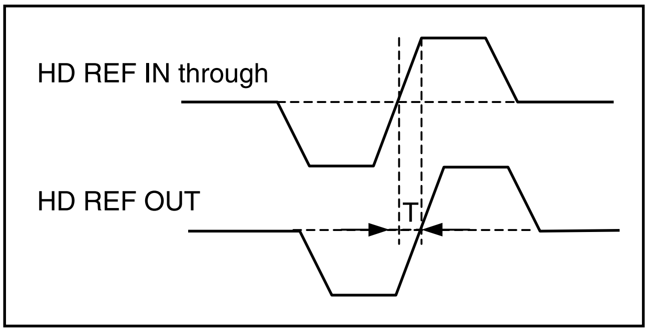
NOTE :

Do not overturn the VR to adjust to the next center point. (Readjust when the previous CF is highlighted.)

7-4. HD REF SYS H Adjustment

BOARD	V PROC (F4)
TP	HD REF OUT, HD REF IN through
ADJ.	VR110
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB (w/ CF flag) / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: HD REF
M. EQ	Oscilloscope
SPEC.	T= 0 ± 200 nsec

1. Select the HD REF on the menu “031 : OUTREF”.
2. Adjust the VR110 so that the phase difference T of the HD REF IN through is the same as that of the HD REF OUT.


HD REF IN through
HD REF OUT
T

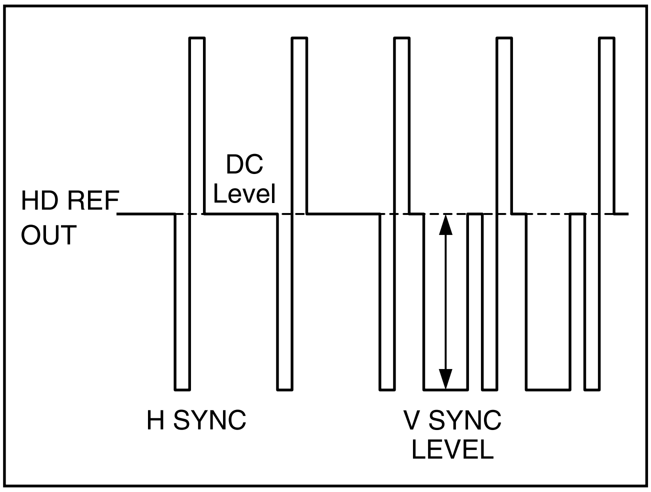
NOTE :

In case your signal generator has no HD REF OUT (Try Sync Signal), prepare the another AJ-HD150MC and please use it’s HD REF OUT.

7-5. HD REF OUT Adjustment

BOARD	V PROC (F4)
TP	HD REF OUT
ADJ.	VR446 (HD REF LEVEL), VR448 (HD REF DC)
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB (w/ CF flag) / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: HD REF
M. EQ	Oscilloscope
SPEC.	DC = 0 ± 3 mV, SYNC = -300 mV ± 3 mV

1. Select the HD REF on the menu “031 : OUTREF”.
2. Adjust the SYNC level with the VR446, the DC level with the VR448, so that they are within specification.

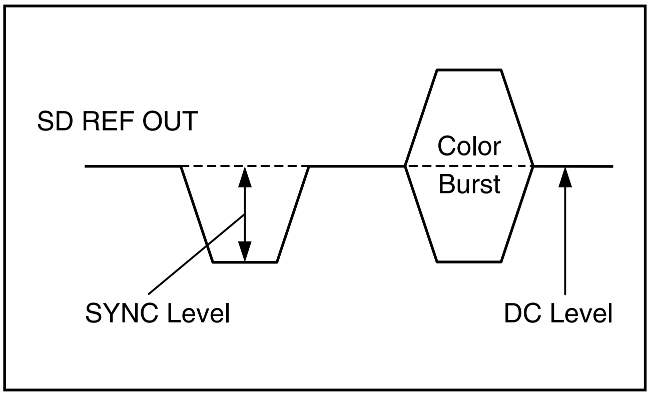


NOTE : Adjust with the V SYNC Level.

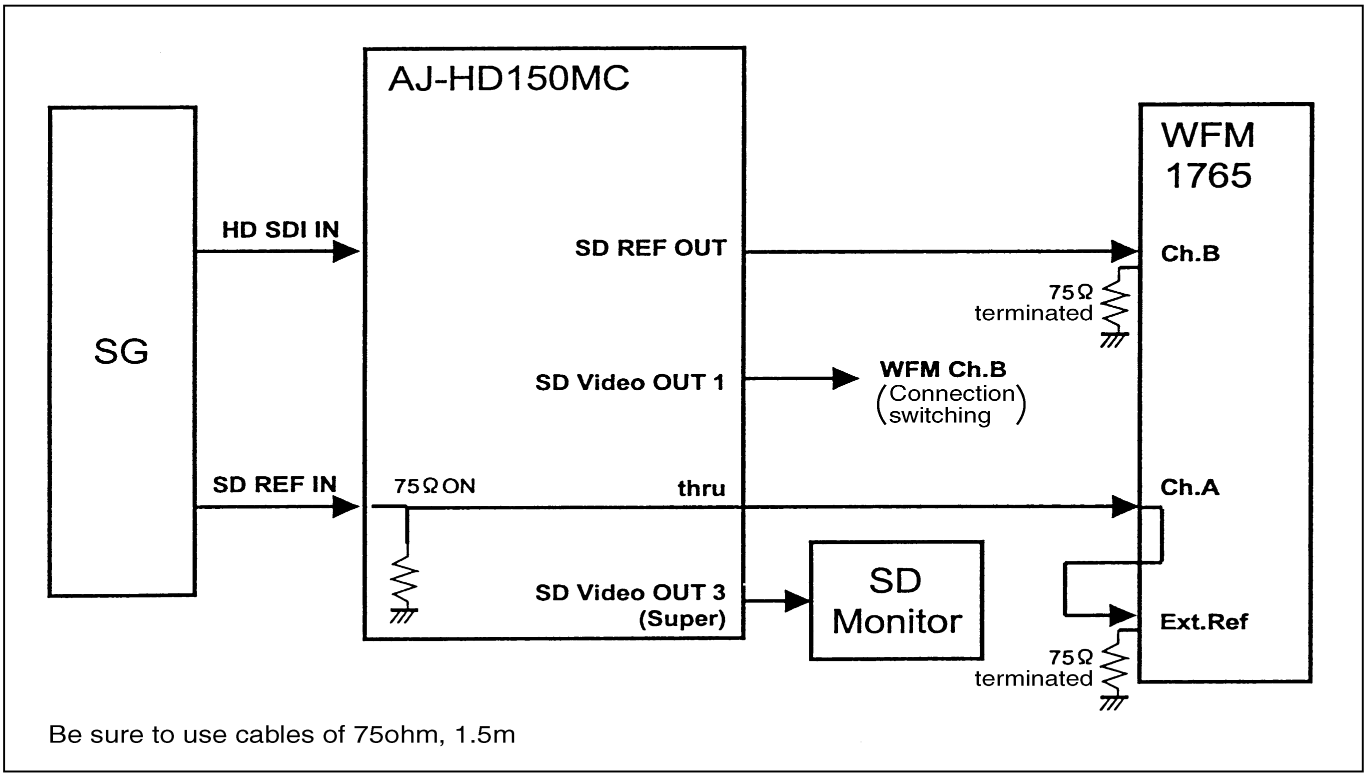
7-6. SD REF OUT Adjustment

BOARD	V PROC (F4)
TP	SD REF OUT
ADJ.	VR445 (SD REF LEVEL), VR447 (SD REF DC)
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB (w/ CF flag) / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	Oscilloscope
SPEC.	DC = 0 ± 3 mV, SYNC = -300 mV ± 3 mV

1. Select the SD REF on the menu “031 : OUTREF”.
2. Adjust the SYNC level with the VR445, the DC level with the VR447, so that they are within specification.



Connection (2)

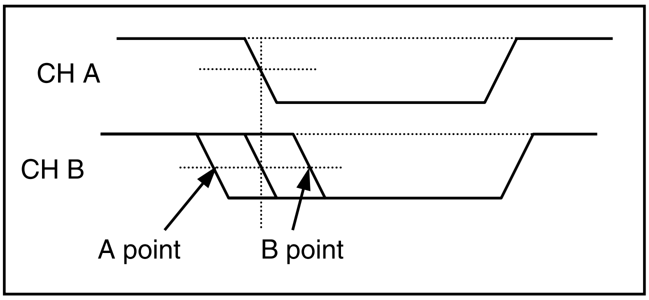

AJ-HD150MC
SG
WFM 1765
HD SDI IN
SD REF IN
SD REF OUT
SD Video OUT 1
SD Video OUT 3 (Super)
75Ω ON
thru
Ch.B
Ch.A
Ext.Ref
75Ω terminated
75Ω terminated
WFM Ch.B (Connection switching)
SD Monitor

Be sure to use cables of 75ohm, 1.5m

7-7. SD REF SYS H Adjustment

BOARD	V PROC (F4)
TP	SD REF OUT, SD REF IN through
ADJ.	VR156 (H PHASE PAL)
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	WFM
SPEC.	Phase H = 200 nsec

1. Select the SD REF on the menu “031 : OUTREF”.
2. To the CH A and EXT REF of the WFM, input the same signal as that to the SD REF IN.
3. Input the SD REF OUT signal to the CH B.
4. Adjust the burst vector phase of the CH A during the EXT REF mode.
5. Set the WFM to the CH B. Adjust the phase H with the VR156 so that it agrees with the phase of the CH A.
   The phase H fluctuates intermittently. Adjust the VR so that the phase is centered between the phases at the points A and B, as shown in below figure.


CH A
CH B
A point
B point

7-8. SD REF SYS SC Adjustment

BOARD	V PROC (F4)
TP	SD REF OUT, SD REF IN through
ADJ.	VR400 (SD REF PHASE), VR156 (H PHASE PAL)
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	WFM
SPEC.	Phase SC = ± 15°

1. Select the SD REF on the menu “031 : OUTREF”.
2. Set the WFM to the CH B. Adjust the burst phase with the VR400 so that it agrees with the phase of the CH A.
3. If it disagrees with the CH A phase, adjust the VR156. (When readjusting the VR156, perform the item "7-7. SD REF SYS H Adjustment" again.)
4. Turn the power OFF and ON, and confirm that the phase SC agrees with the phase H.

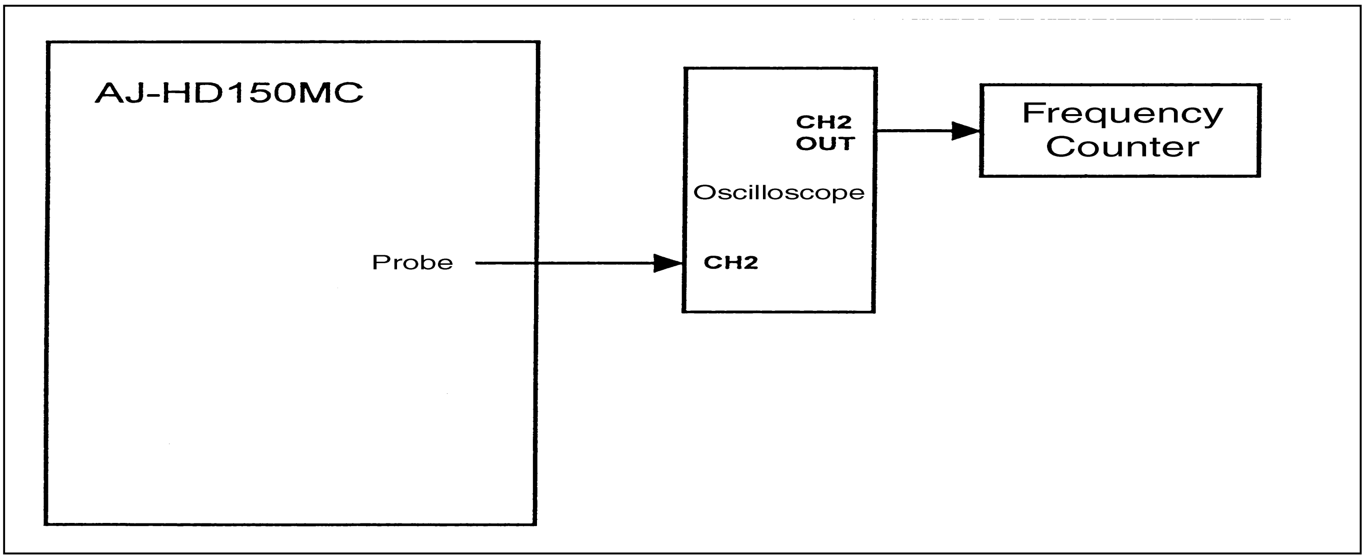
7-9. SD SYS SYS SC Adjustment

BOARD	V PROC (F4)
TP	VIDEO OUT 1, SD REF IN through
ADJ.	VR402 (PAL VPHASE)
TAPE	-----
INPUT	HD SDI IN : Color bar / 1080I 50Hz HD REF IN : TriSync / 1080I 50Hz SD REF IN = BB / 625I 50Hz
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	WFM
SPEC.	Phase SC = ± 30°

1. Select the SD REF on the menu “031 : OUTREF”.
2. To the CH A and the EXT REF IN of the WFM, input the same signal as that to the SD REF IN.
3. Input the VIDEO OUT 1 signal to the CH B of the WFM.
4. Adjust the burst vector phase of the CH A during the EXT REF mode.
5. Set the WFM to the CH B. Then, adjust the burst phase with the VR402 so that it agrees with that of the CH A.

NOTE : Set the V PROC board to the deck.

Connection (3)


AJ-HD150MC
Probe
CH2
CH2 OUT
Oscilloscope
Frequency Counter

7-10. PAL 4fsc Adjustment

BOARD	V PROC (F4)
TP	TP195
ADJ.	VR194 (PAL FREQ)
TAPE	-----
INPUT	-----
MODE	EE Setup menu No.031 OUTREF: SD REF
M. EQ	Frequency Counter
SPEC.	17.734475 MHz ± 200 Hz

1. Measure the frequency at the TP195, and adjust it with the VR194 so that it is within specification.

7-11. HD 74Mhz Adjustment

BOARD	V PROC (F4)
TP	TP368 (HOT), TG365 (GND)
ADJ.	VR365 (HD FREQ60)
TAPE	-----
INPUT	-----
MODE	EE Setup menu No.031 OUTREF: HD REF
M. EQ	Frequency Counter
SPEC.	74.250000 MHz ± 200 Hz

1. Measure the frequency at the TP368, and adjust it with the VR365 so that it is within specification.

8. SDI (F5)

8-1. Power Supply DC Voltage Adjustment

BOARD	SDI (F5)
TP	TP35
ADJ.	VR5
TAPE	-----
INPUT	-----
MODE	EE
M. EQ	Digital Volt Meter
SPEC.	1.25V ± 0.05V

1. Observe the TP35 and adjust the VR5 so that the voltage is within specification.

9. A ADDA (F1)

9-1. Initial Setting

< A ADDA Board Switch Setting >

SW1 : High
SW101 : High
SW201 : High
SW301 : High

< Audio Analyzer Setting >

GENERATOR
  OUTPUT 50Ω
  (A & B, BAL, FLOAT)
ANALYZER
  CHANNEL-A INPUT 100kΩ
  CHANNEL-B INPUT 100kΩ

< Service Menu Initial Setting >

1. Set the 1-PIN OF THE DIP SW on the back of the front panel to ON, and open the “AUDIO ADJUST” menu on the Service Menu.
2. Set the menu items as shown below.
   G01 : REF LEVEL1 Fs –18
   G01 : REF LEVEL2 0 dB
   G01 : REF LEVEL3 0 dB
3. Set the 1-PIN OF THE DIP SW on the back of the front panel to OFF.

< User Menu Setting >

1. Set the AUDIO MENU items (No. 700 series) of the SETUP-MENU as shown below.

700 AUDIO IN SEL	AES
701 CH1 IN LV	0dB
702 CH2 IN LV	0dB
703 CH3 IN LV	0dB
704 CH4 IN LV	0dB
706 CH1 OUT LV	0dB
707 CH2 OUT LV	0dB
708 CH3 OUT LV	0dB
709 CH4 OUT LV	0dB
711 MONIL OUT LV	0dB
712 MONIR OUT LV	0dB
713 MONI OUT	VAR
722 REC CH1	CH1
723 REC CH2	CH2
724 REC CH3	CH3
725 REC CH4	CH4

9-2. Output Circuit Balance Adjustment

BOARD	A ADDA (F1)
TP	AUDIO OUT (CH1-CH4) MONI OUT (LCH, RCH)
ADJ.	VR402 (CH1), VR502 (CH2), VR602 (CH3), VR702 (CH4), VR802 (LCH), VR902 (RCH)
TAPE	-----
INPUT	INT SG as AUDIO IN (CH1, CH2, CH3, CH4) 1kHz –18dBFs
MODE	EE
M. EQ	Monitor TV, Oscilloscope
SPEC.	Minimum

1. Set the menu item “700 AUDIO IN SEL” to INT SG, and set the menu item “713 MONI OUT” to UNITY.
2. Input the HOT output of the every channels (AUDIO OUT, MONI OUT) to INPUT1 of the Oscilloscope, and input the COLD output of same channels to INPUT2 of the Oscilloscope.
3. Set the oscilloscope to ADD mode, and adjust VRs of every channels so that the waveform is minimized.

9-3. CMRR Adjustment

BOARD	A ADDA (F1)
TP	TP2 (CH1), TP102 (CH2), TP202 (CH3), TP302 (CH4)
ADJ.	VR1 (CH1), VR101 (CH2), VR201 (CH3), VR301 (CH4)
TAPE	-----
INPUT	AUDIO IN (CH1, CH2, CH3, CH4) 0 dB/1kHz Sine wave (CMTST)
MODE	EE
M. EQ	Monitor TV, Audio Analyzer, Oscilloscope
SPEC.	Minimum

1. Set the menu item “700 AUDIO IN SEL” to ANA.
2. Switch the GENERATOR OUTPUT of the audio analyzer from BAL to CMTST.
3. Input the above signal to every channels, and adjust VRs of every channels so that the TP level of every channels are minimized.
4. After adjustment, switch the GENERATOR OUTPUT of the audio analyzer from CMTST to BAL.

9-4. Input Level Adjustment

BOARD	A ADDA (F1)
TP	ASE/EBU OUT (CH1, CH2, CH3, CH4)
ADJ.	VR2 (CH1), VR102 (CH2), VR202 (CH3), VR302 (CH4)
TAPE	-----
INPUT	AUDIO IN (CH1, CH2, CH3, CH4) 0 dB/1kHz Sine wave (BAL)
MODE	EE
M. EQ	Monitor TV, Audio Analyzer, Oscilloscope
SPEC.	-18 dBFS ± 0.05 dB

1. Adjust the VR corresponding to each CH so that the output level is minimized at each AUDIO OUT CH.

NOTE : Observe the MONITOR OUTPUT CH A or CH B of the audio analyzer with an oscilloscope, and confirm that normal sine waves are output. Be sure to confirm that normal sine waves are output for all the adjustments and checks.

9-5. Output Level Adjustment

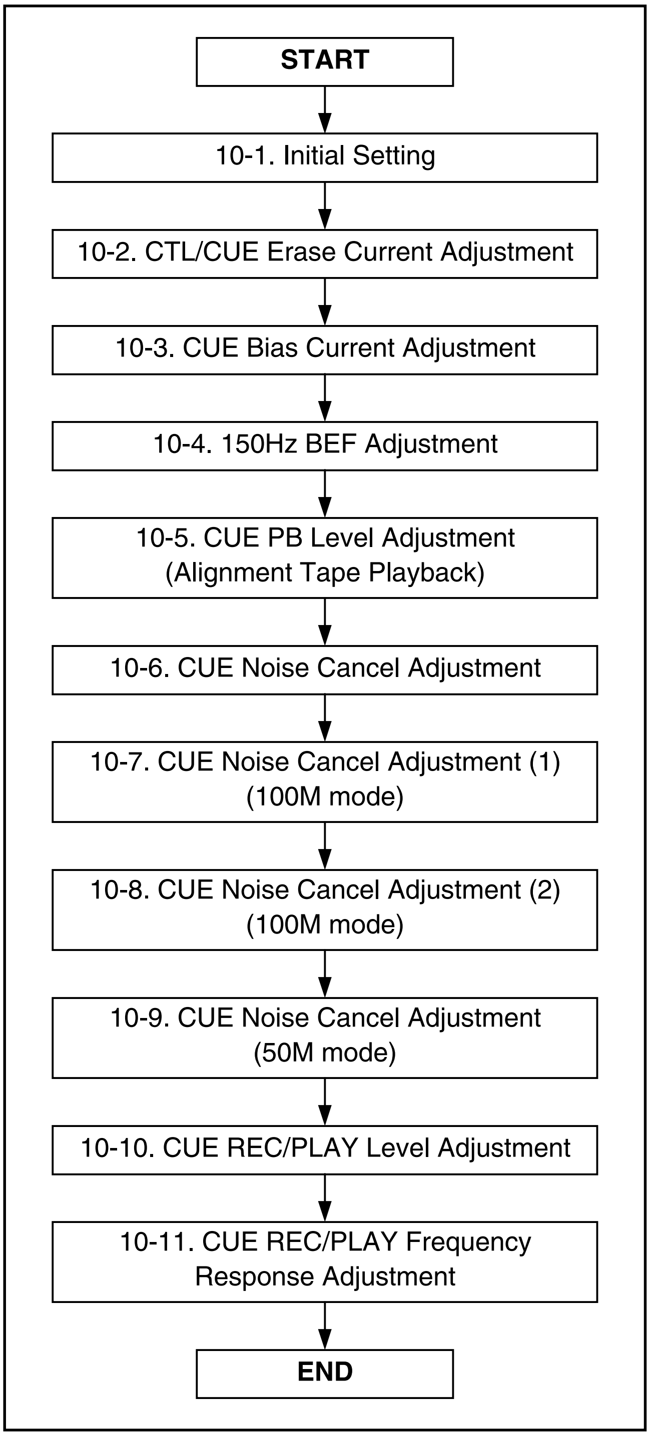
BOARD	A ADDA (F1)
TP	AUDIO OUT (CH1-CH4) MONI OUT (LCH, RCH)
ADJ.	VR401 (CH1), VR501 (CH2), VR601 (CH3), VR701 (CH4), VR801 (LCH), VR901 (RCH)
TAPE	-----
INPUT	AUDIO IN (CH1, CH2, CH3, CH4) 0 dB/1kHz Sine wave (BAL)
MODE	EE
M. EQ	Monitor TV, Oscilloscope, Audio Analyzer
SPEC.	0 dBu ± 0.1 dB

1. Adjust VRs of every channels so that the output level of every channels are within specification.

NOTE : Observe the output waveform with an oscilloscope, and confirm that normal sine waves are output. Be sure to confirm that normal sine waves are output for all the adjustments and checks.

10. CUE (H3)

CUE Adj. Flow Chart


START
10-1. Initial Setting
10-2. CTL/CUE Erase Current Adjustment
10-3. CUE Bias Current Adjustment
10-4. 150Hz BEF Adjustment
10-5. CUE PB Level Adjustment (Alignment Tape Playback)
10-6. CUE Noise Cancel Adjustment
10-7. CUE Noise Cancel Adjustment (1) (100M mode)
10-8. CUE Noise Cancel Adjustment (2) (100M mode)
10-9. CUE Noise Cancel Adjustment (50M mode)
10-10. CUE REC/PLAY Level Adjustment
10-11. CUE REC/PLAY Frequency Response Adjustment
END

10-1. Initial Setting

1. Set the CUE REC VR and CUE PB VR to the UNITY condition.
2. Set the switches on the CUE Board as shown below.

SW	Name	Setting
SW4101	CUE IN Impedance	HIGH
SW4002	NR Switching	NORMAL
SW4001	REC EQ	PIN 1 : ON PIN 2 : OFF PIN 3 : ON PIN 4 : OFF
SW4201	1 : FS-12H 2 : OUT600H	PIN 1 : OFF PIN 2 : OFF

3. Set the conditions of measuring equipment as shown below.

OSC Output Impedance	50 Ω
Analyzer Input Impedance	10 kΩ
Setting of Input/Output Level Unit	dBu

4. Set the service menu as shown below.

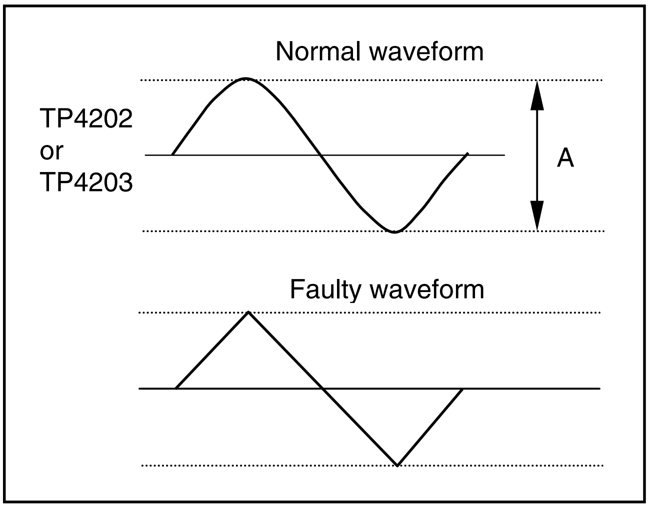
Service Menu	G01 : REF LEVEL1	FS-18
	G02 : REF LEVEL2	0 dB
	G03 : REF LEVEL IN I	0 dB
SET UP Menu	CUE IN LV	0 dB
	CUE OUT LV	0 dB

5. From the user menu, set the CUE IN LV and CUE OUT LV to "0 dB".
   Perform adjustment and check for recording and play back with the deck set to the 100M mode, unless otherwise specified.

10-2. CTL/CUE Erase Current Adjustment

BOARD	CUE (H3)
TP	TP4202 (CUE erase), TP4203 (CTL erase) TP4201 (GND)
ADJ.	T4203 (CUE erase), T4204 (CTL erase), T4201
TAPE	Recording Tape
INPUT	-----
MODE	REC
M. EQ	Oscilloscope
SPEC.	Erase frequency : 70 kHz ± 0.5 kHz A = more than 240 mVp-p

1. Connect the TP4202 to an oscilloscope, and observe frequency and voltage. (Waveform must not be faulty waveform as shown in the diagram below.)
2. If the frequency or voltage is out of specification, adjust them with the T4201 and T4203 core so that they are within specification.
3. Next, connect the oscilloscope to the TP4203, and observe voltage.
4. If the voltage is out of specification, adjust it with the T4204 core so that it is within specification.



10-3. CUE Bias Current Adjustment

BOARD	CUE (H3)
TP	TP4002, TP4003 (GND)
ADJ.	FL4001 core, T4202 core, VR4202
TAPE	Self-REC/PLAY Tape
INPUT	-----
MODE	REC
M. EQ	Oscilloscope, Vacuum Tube Voltage Meter
SPEC.	Bias Current : 7 mVrms ± 0.5 mV (19.7 mVp-p ± 1.5 mV) Bias Frequency : 140 kHz ± 1 kHz

1. Connect an oscilloscope between the TP4002 and TP4003 (GND), and confirm that the frequency is 140 kHz ± 1 kHz.
   If it is out of specification, adjust the T4205.
2. Next, connect an vacuum tube voltage meter, and adjust the VR4202 so that the current is within specification.
3. If it is out of specification, adjust it with the T4202 and FL4001 core to the maximum value. Then, readjust it to the standard value with the VR4202.

NOTE : Set the vacuum tube voltage meter to the mode with which 140 kHz signal can be measured.

10-4. 150Hz BEF Adjustment

BOARD	CUE (H3)
TP	TP4102
ADJ.	VR4005
TAPE	100M no-signal tape
INPUT	-----
MODE	PLAY
M. EQ	Audio Analyzer
SPEC.	Minimum

1. Play back the 100M no-signal tape.
2. Turn the VR4005, and check if the TR4102 waveform fluctuates.
3. Adjust the VR4005 so that the TP4102 waveform is minimized.

10-5. CUE PB Level Adjustment (Alignment Tape Playback)

BOARD	CUE (H3)
TP	CUE OUT (XLR connector)
ADJ.	VR4002 (PB LEVEL)
TAPE	VFM3480KM for 50M VFM3680KM for 25M
MODE	PLAY
M. EQ	Audio Analyzer
SPEC.	0 dBm ± 0.5 dB (50M mode) 0 dBm ± 1 dB (25M mode)

1. Set the VTR to the 50M mode.
2. Play back the Alignment tape for 50M mode (1kHz, 0dB), and adjust the VR4002 so that the CUE OUT level is within specification.
3. Play back the Alignment tape for 25M mode, and confirm that the level is within specification.

10-6. CUE Noise Cancel Adjustment

BOARD	CUE (H3)
TP	CUE OUT (XLR connector)
ADJ.	VR4005
TAPE	100 M no-signal tape
MODE	PLAY
M. EQ	Audio Analyzer
SPEC.	Noise Level shall be minimum

< Audio Analyzer Setting >

∗ MEASURE : BANDPASS
∗ BP/BR FREQ : 150Hz
∗ FILTER : OFF

1. Playback the no-signal tape in the 100M mode.
2. Provide the 150 Hz band pass filter to the CUE OUT, and play back the no-signal part. Then, adjust the VR4005 so that the noise level is minimum.

10-7. CUE Noise Cancel Adj. (1) (100M mode)

BOARD	CUE (H3)
TP	CUE OUT (XLR connector)
ADJ.	VR4602 (LV300), VR4601 (PS300)
TAPE	100M no-signal tape
MODE	PLAY
M. EQ	Audio Analyzer
SPEC.	less than -40dBu

< Audio Analyzer Setting >

∗ MEASURE : BANDPASS
∗ BP/BR FREQ : 300Hz
∗ FILTER : OFF

1. Playback the no-signal tape in the 100M mode.
2. Provide 300 Hz band pass filter to the CUE OUT. Then, play back the no-signal part, and observe noise level.

   If it is out of specification shown above, adjust it with the VR4602 first, and VR4601 next, for three or four times.

10-8. CUE Noise Cancel Adj. (2) (100M mode)

BOARD	CUE (H3)
TP	CUE OUT (XLR connector)
ADJ.	VR4003 (CLV18), VR4006 (CPS18)
TAPE	100M no-signal tape
MODE	PLAY
M. EQ	Audio Analyzer
SPEC.	Less than -40dBu

< Audio Analyzer Setting >

∗ MEASURE : BANDPASS
∗ BP/BR FREQ : 1200Hz
∗ FILTER : OFF

1. Playback the no-signal tape in the 100M mode.
2. Provide 1200 Hz band pass filter to the CUE OUT. Then, play back the no-signal part, and observe noise level.
3. If it is out of specification shown above, adjust it with the VR4006 first, and VR4003 next, for three or four times.

10-9. CUE Noise Cancel Adj. (50M mode)

BOARD	CUE (H3)
TP	CUE OUT (XLR connector)
ADJ.	VR4004 (CPS9), VR4007 (CLV9)
TAPE	50M no-signal tape
MODE	PLAY
M. EQ	Audio Analyzer
SPEC.	less than -40dBu

< Audio Analyzer Setting >

∗ MEASURE : BANDPASS
∗ BP/BR FREQ : 600Hz
∗ FILTER : OFF

1. Playback the no-signal tape in the 50M mode.
2. Provide 600 Hz band pass filter to the CUE OUT. Then, play back the no-signal part, and observe noise level.
3. If it is out of specification shown above, adjust it with the VR4007 first, and VR4004 next, for three or four times.
4. After adjustment is complete, set the VTR to the 100M mode.

10-10. CUE REC/PLAY Level Adjustment

BOARD	CUE (H3)
TP	CUE OUT (XLR connector)
ADJ.	VR4001 (REC CURR)
TAPE	Self-REC/PLAY tape
INPUT	0dBu/1kHz Sine wave (BAL)
MODE	REC/PLAY
M. EQ	Audio analyzer
SPEC.	0 dBu ± 1dB

< Audio Analyzer Setting >

∗ MEASURE : AMPLITUDE
∗ BP/BR FREQ : AUTO
∗ FILTER : OFF
∗ BANDWIDTH : 22Hz, 22kHz

1. Execute the Self-REC/PLAY in the 100M mode.
2. Perform self-REC/PLAY of the input signal shown above, and adjust the VR4001 so that the play back level is within specification.
   (Simultaneous play back is unavailable. Repeat recording, reversing, and play back in this order for the adjustment.)

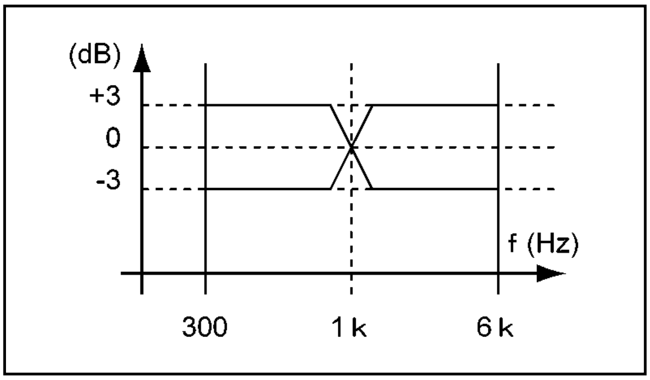
10-11. CUE REC/PLAY Frequency Response Adjustment

BOARD	CUE (H3)
TP	CUE OUT (XLR connector)
ADJ.	SW4002, SW4001-1, 2, 3, 4
TAPE	Self-REC/PLAY Tape
INPUT	Sine Wave
MODE	REC/PLAY
M. EQ	Audio Analyzer
SPEC.	1kHz level ± 3 dB

< Audio Analyzer Setting >

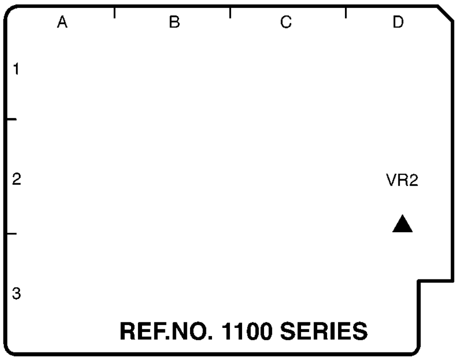
∗ MEASURE : AMPLITUDE
∗ BP/BR FREQ : AUTO
∗ FILTER : OFF
∗ BANDWIDTH : 22Hz, 22kHz

1. Confirm that the SW4002 is set to the normal side.
2. Perform self-REC/PLAY in the 100M mode, and confirm that the level difference in respective frequencies at 1 kHz level is within specification.
   Frequency : 300 Hz, 500 Hz, 2 kHz, 6 kHz
3. If the level difference is out of specification, adjust it with the SW4001-1, 2, 3, and 4.
   Adjustable with SW4001-1 and 2 near 6 kHz range only
   Adjustable with SW4001-3 and 4 in range between 1 kHz and 6 kHz.



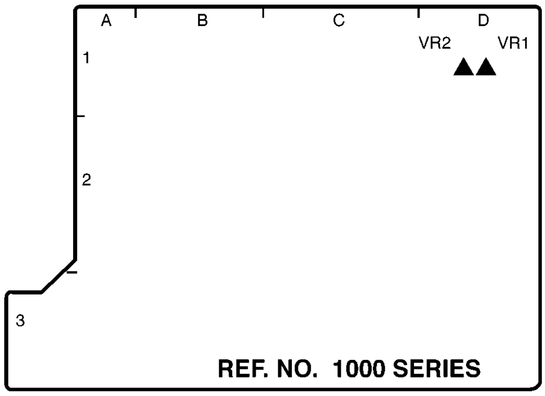
TP, VR, SW Location

POWER 1 P.C.BOARD


A
B
C
D
1
2
3
VR2
REF.NO. 1100 SERIES

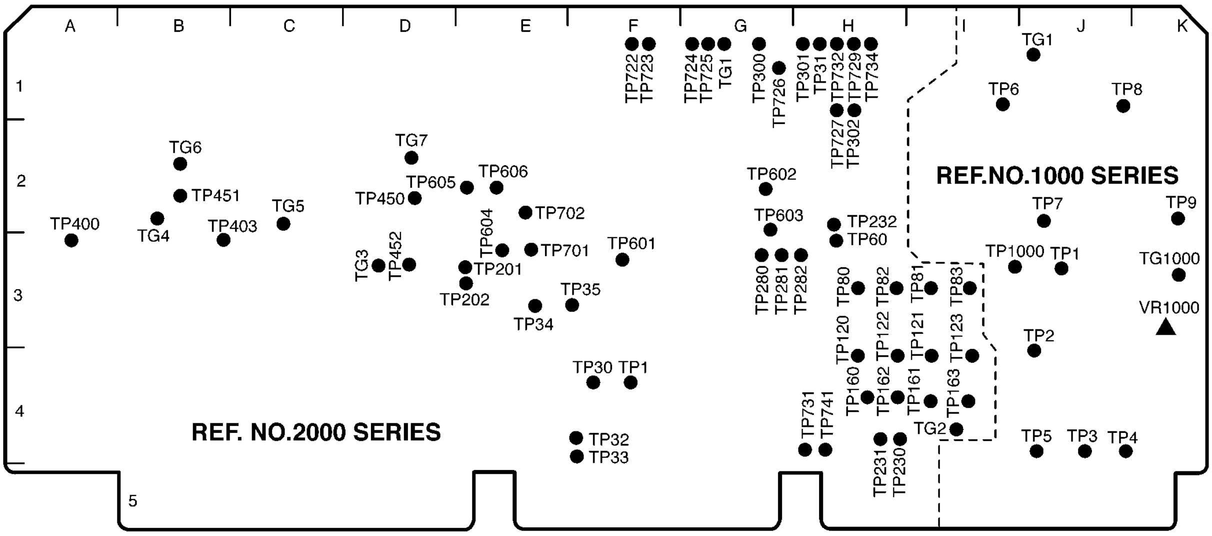
(COMPONENT SIDE)

POWER 2 P.C.BOARD

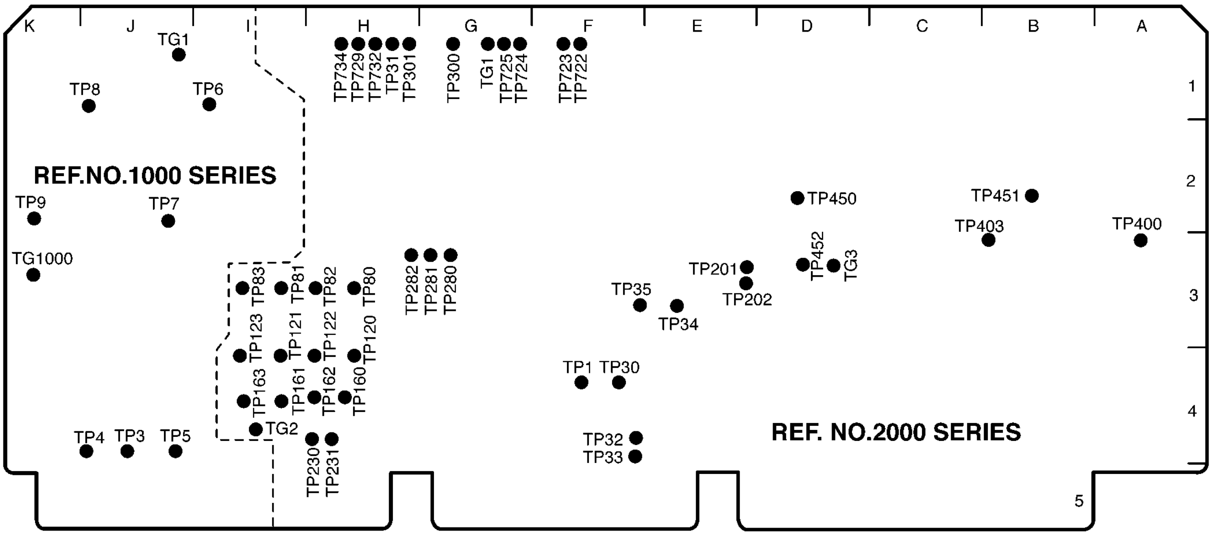

A
B
C
D
1
2
3
VR2
VR1
REF. NO. 1000 SERIES

(COMPONENT SIDE)

SERVO P.C.BOARD

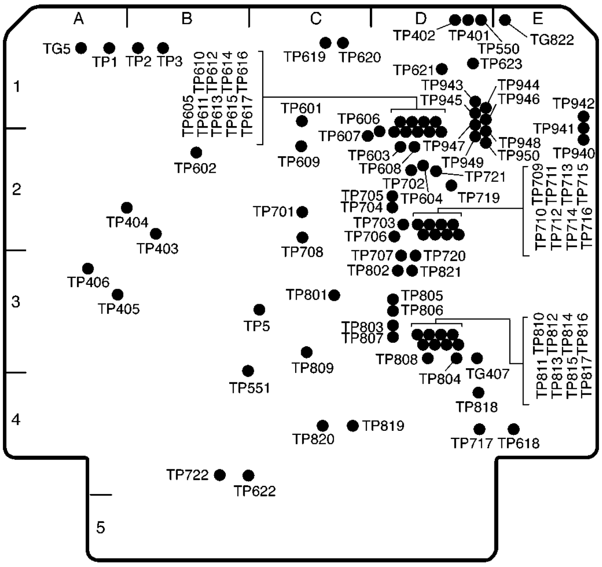

A
B
C
D
E
F
G
H
I
J
K
1
2
3
4
5
TP722
TP723
TP724
TP725
TG1
TP300
TP726
TP301
TP31
TP732
TP729
TP734
TP727
TP302
TG1
TP6
TP8
REF.NO.1000 SERIES
TP7
TP9
TP1000
TP1
TG1000
VR1000
TP2
TP5
TP3
TP4
TG6
TP451
TG5
TP400
TG4
TP403
TG7
TP606
TP605
TP450
TP702
TP604
TP701
TP601
TG3
TP452
TP201
TP202
TP35
TP34
TP602
TP603
TP232
TP60
TP280
TP281
TP282
TP80
TP82
TP81
TP83
TP120
TP122
TP121
TP123
TP160
TP162
TP161
TP163
TG2
TP731
TP741
TP231
TP230
TP30
TP1
TP32
TP33
REF. NO.2000 SERIES

(COMPONENT SIDE)

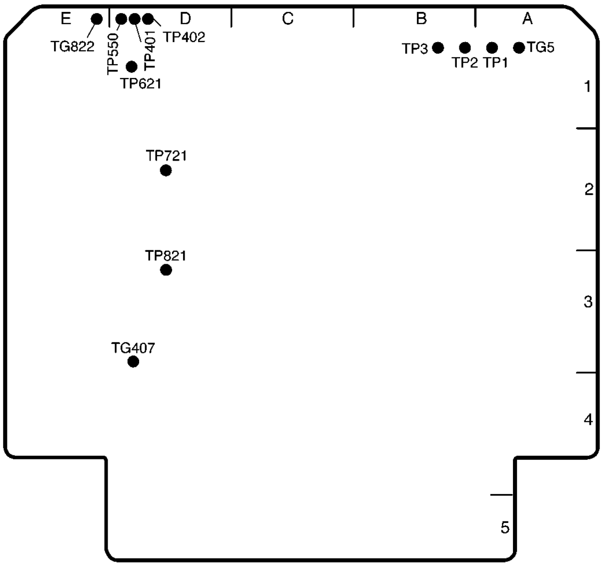

K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
TG1
TP734
TP729
TP732
TP31
TP301
TP300
TG1
TP725
TP724
TP723
TP722
TP8
TP6
REF.NO.1000 SERIES
TP9
TP7
TG1000
TP83
TP123
TP81
TP121
TP82
TP122
TP80
TP120
TP163
TP161
TP162
TP160
TG2
TP230
TP231
TP4
TP3
TP5
TP282
TP281
TP280
TP450
TP451
TP403
TP400
TP201
TP452
TG3
TP202
TP35
TP34
TP1
TP30
TP32
TP33
REF. NO.2000 SERIES

(FOIL SIDE)

RFEQ 100 P.C.BOARD

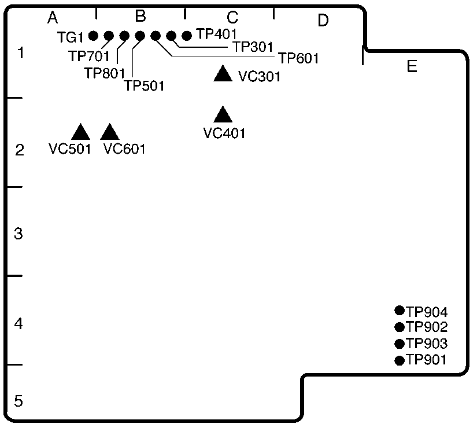

A
B
C
D
E
1
2
3
4
5
TG5
TP1
TP2
TP3
TP605
TP610
TP611
TP612
TP613
TP614
TP615
TP616
TP617
TP619
TP620
TP402
TP401
TP550
TP623
TG822
TP621
TP943
TP944
TP945
TP946
TP942
TP601
TP606
TP607
TP941
TP948
TP947
TP950
TP940
TP603
TP608
TP949
TP602
TP609
TP721
TP702
TP705
TP704
TP604
TP719
TP709
TP710
TP711
TP712
TP713
TP714
TP715
TP716
TP404
TP701
TP703
TP706
TP403
TP708
TP707
TP720
TP802
TP821
TP406
TP801
TP805
TP405
TP806
TP5
TP803
TP807
TP810
TP811
TP812
TP813
TP814
TP815
TP816
TP817
TP809
TP808
TP804
TG407
TP551
TP818
TP820
TP819
TP717
TP618
TP722
TP622

(COMPONENT SIDE)

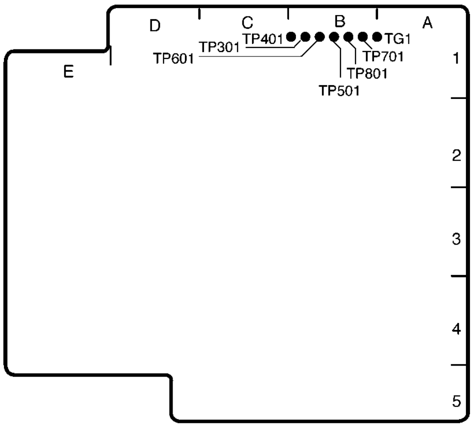

E
D
C
B
A
1
2
3
4
5
TG822
TP550
TP401
TP402
TP621
TP3
TP2
TP1
TG5
TP721
TP821
TG407

(FOIL SIDE)

HEAD BUFF 100 P.C.BOARD

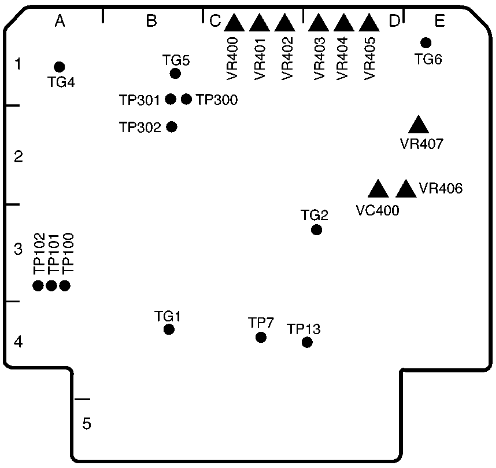

A
B
C
D
E
1
2
3
4
5
TG1
TP401
TP301
TP701
TP601
TP801
TP501
VC301
VC401
VC501
VC601
TP904
TP902
TP903
TP901

(COMPONENT SIDE)

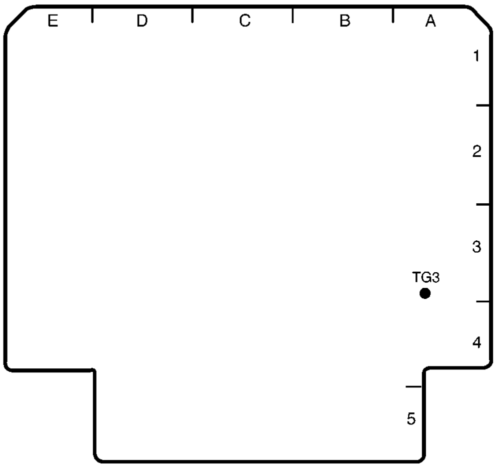

D
C
B
A
E
1
2
3
4
5
TP401
TP301
TG1
TP601
TP701
TP801
TP501

(FOIL SIDE)

CMPST OUT P.C.BOARD

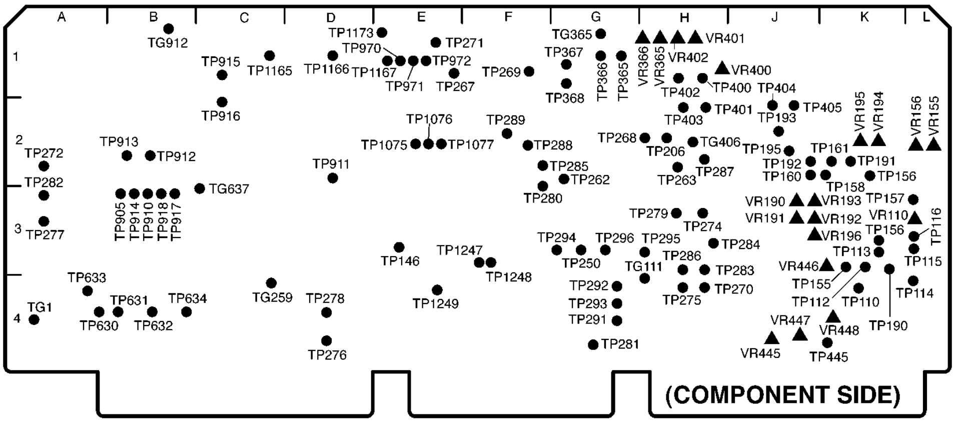

A
B
C
D
E
1
2
3
4
5
VR400
VR401
VR402
VR403
VR404
VR405
TG4
TG5
TG6
TP301
TP300
TP302
VR407
VR406
VC400
TG2
TP102
TP101
TP100
TG1
TP7
TP13

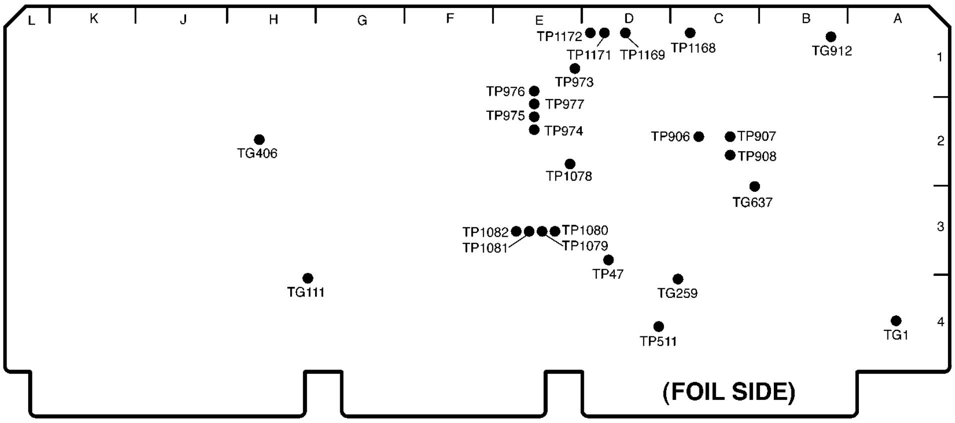
(COMPONENT SIDE)


E
D
C
B
A
1
2
3
4
5
TG3

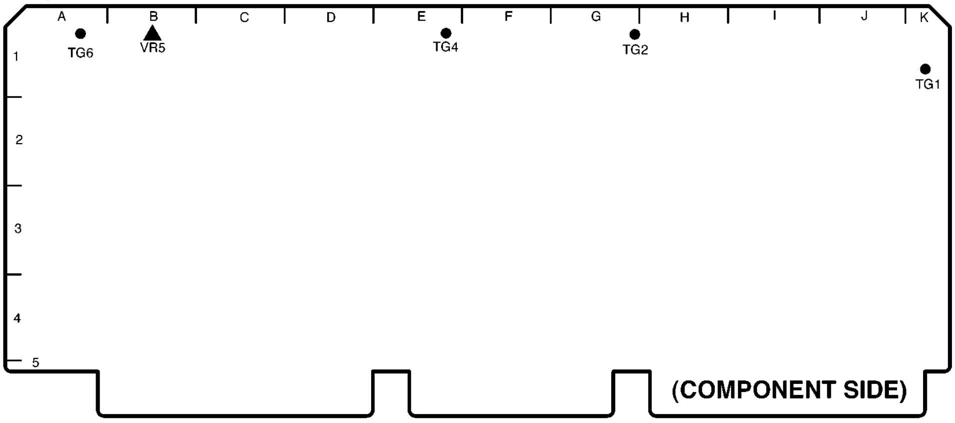
(FOIL SIDE)

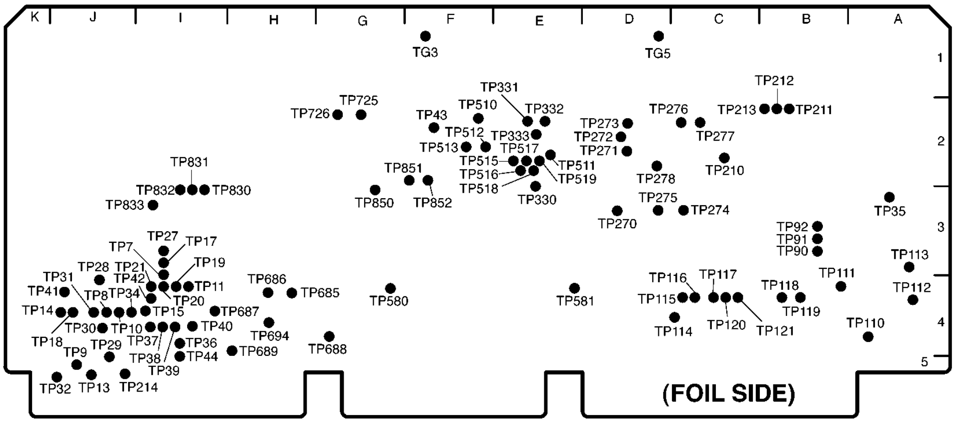
V PROC P.C.BOARD


A B C D E F G H J K L
1 2 3 4
TG912
TP915
TP1165
TP916
TP1173
TP970
TP1166
TP1167
TP971
TP972
TP271
TP267
TP269
TG365
TP367
TP368
TP366
TP365
VR366
VR365
VR402
VR401
VR400
TP402
TP400
TP404
TP403
TP401
TP193
TP405
VR195
VR194
VR156
VR155
TP1076
TP1075
TP1077
TP289
TP288
TP285
TP262
TP280
TP268
TP206
TG406
TP263
TP287
TP195
TP161
TP192
TP191
TP160
TP156
TP158
TP272
TP282
TP277
TP913
TP912
TP905
TP914
TP910
TP918
TP917
TG637
TP911
TP279
TP274
VR190
VR193
TP157
VR191
VR192
VR110
TP116
VR196
TP156
TP294
TP296
TP295
TP284
TP113
TP115
TP250
TG111
TP286
VR446
TP1247
TP146
TP1248
TP283
TP155
TP633
TG259
TP278
TP292
TP270
TP112
TP110
TP114
TP631
TP634
TP1249
TP293
TP275
TG1
TP630
TP632
TP291
VR447
VR448
TP190
TP276
TP281
VR445
TP445
(COMPONENT SIDE)

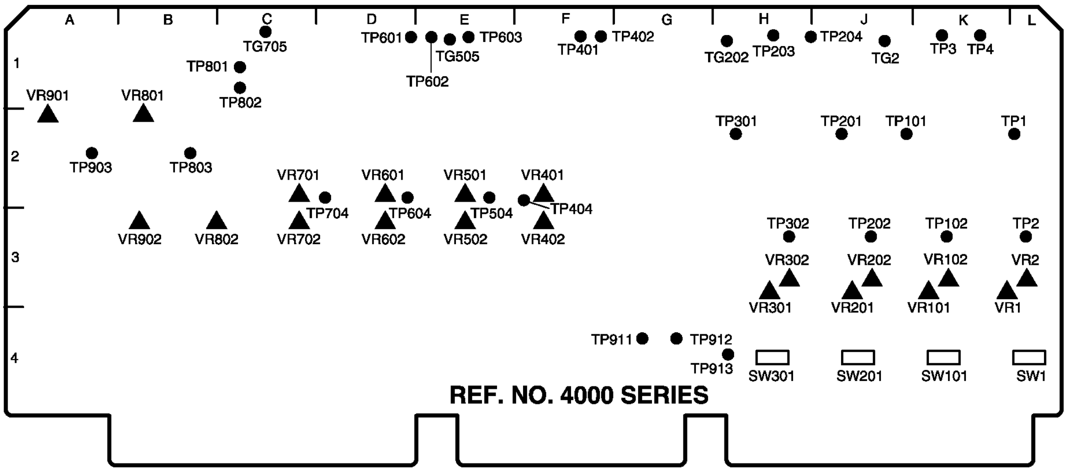

L K J H G F E D C B A
1 2 3 4
TP1172
TP1171
TP1169
TP1168
TG912
TP973
TP976
TP977
TP975
TP974
TG406
TP906
TP907
TP908
TP1078
TG637
TP1082
TP1080
TP1081
TP1079
TP47
TG111
TG259
TP511
TG1
(FOIL SIDE)

SDI P.C.BOARD

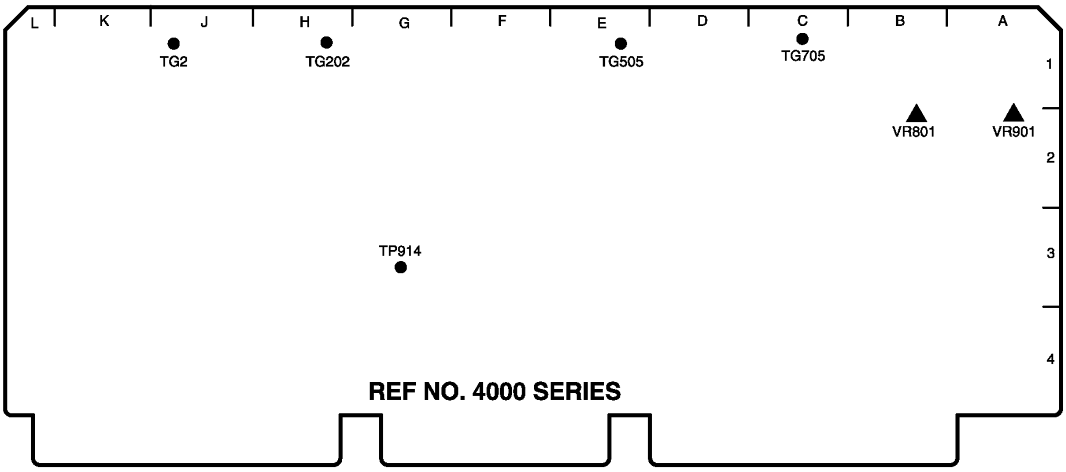

A B C D E F G H I J K
1 2 3 4 5
TG6
VR5
TG4
TG2
TG1
(COMPONENT SIDE)


K J I H G F E D C B A
1 2 3 4 5
TG3
TG5
TP212
TP331
TP725
TP726
TP43
TP510
TP332
TP273
TP276
TP213
TP211
TP512
TP333
TP272
TP277
TP513
TP517
TP271
TP210
TP831
TP851
TP515
TP511
TP516
TP519
TP278
TP832
TP830
TP518
TP330
TP850
TP852
TP833
TP275
TP274
TP35
TP270
TP92
TP27
TP17
TP91
TP7
TP90
TP19
TP113
TP28
TP21
TP31
TP42
TP686
TP116
TP117
TP111
TP41
TP11
TP685
TP118
TP112
TP8
TP34
TP20
TP580
TP581
TP115
TP14
TP15
TP687
TP119
TP30
TP10
TP40
TP114
TP120
TP121
TP110
TP18
TP37
TP36
TP694
TP29
TP38
TP44
TP689
TP688
TP9
TP39
TP32
TP13
TP214
(FOIL SIDE)

A ADDA P.C.BOARD

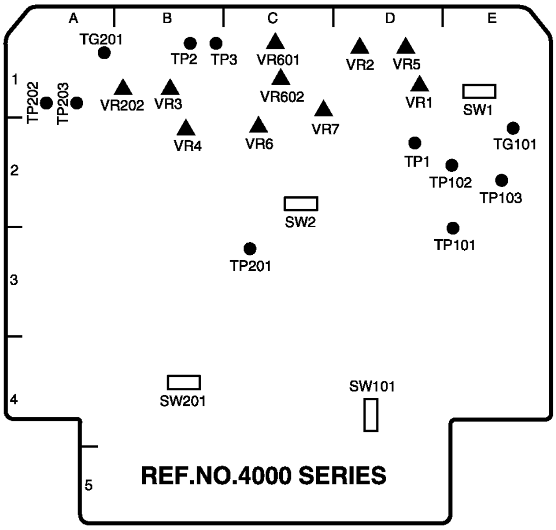

A
B
C
D
E
F
G
H
J
K
L
1
2
3
4
TG705
TP601
TP603
TG505
TP602
TP401
TP402
TG202
TP203
TP204
TG2
TP3
TP4
TP801
TP802
VR901
VR801
TP301
TP201
TP101
TP1
TP903
TP803
VR701
VR601
VR501
VR401
TP704
TP604
TP504
TP404
VR902
VR802
VR702
VR602
VR502
VR402
TP302
TP202
TP102
TP2
VR302
VR202
VR102
VR2
VR301
VR201
VR101
VR1
TP911
TP912
TP913
SW301
SW201
SW101
SW1
REF. NO. 4000 SERIES

(COMPONENT SIDE)

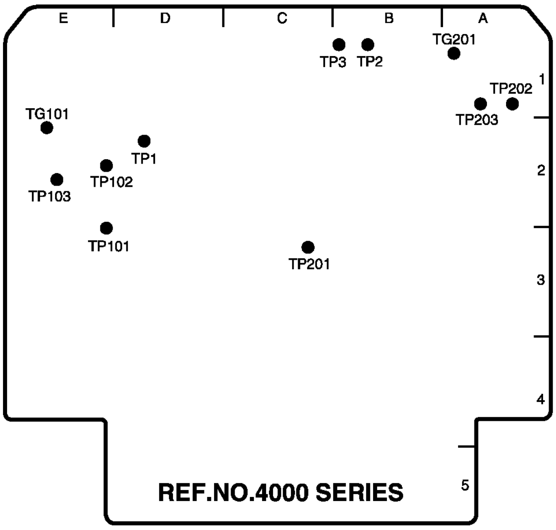

L
K
J
H
G
F
E
D
C
B
A
1
2
3
4
TG2
TG202
TG505
TG705
VR801
VR901
TP914
REF NO. 4000 SERIES

(FOIL SIDE)

CUE P.C.BOARD


A
B
C
D
E
1
2
3
4
5
TG201
TP2
TP3
VR601
VR2
VR5
TP202
TP203
VR202
VR3
VR602
VR1
SW1
VR4
VR6
VR7
TG101
TP1
TP102
TP103
SW2
TP101
TP201
SW201
SW101
REF.NO.4000 SERIES

(COMPONENT SIDE)


E
D
C
B
A
1
2
3
4
5
TP3
TP2
TG201
TP202
TP203
TG101
TP1
TP102
TP103
TP101
TP201
REF.NO.4000 SERIES

(FOIL SIDE)

SECTION 4

BLOCK DIAGRAMS

CONTENTS

OVERALL BLOCK DIAGRAM BLK-1
SERVO BLOCK DIAGRAM BLK-2
SYSCON BLOCK DIAGRAM BLK-3
FRONT BLOCK DIAGRAM BLK-4
CMPST OUT BLOCK DIAGRAM BLK-5
SDI (1/2) BLOCK DIAGRAM BLK-6
SDI (2/2) BLOCK DIAGRAM BLK-7
V PROC (1/2) BLOCK DIAGRAM BLK-8
V PROC (2/2) BLOCK DIAGRAM BLK-9
REC PB (1/2) BLOCK DIAGRAM BLK-10
REC PB (2/2) BLOCK DIAGRAM BLK-11
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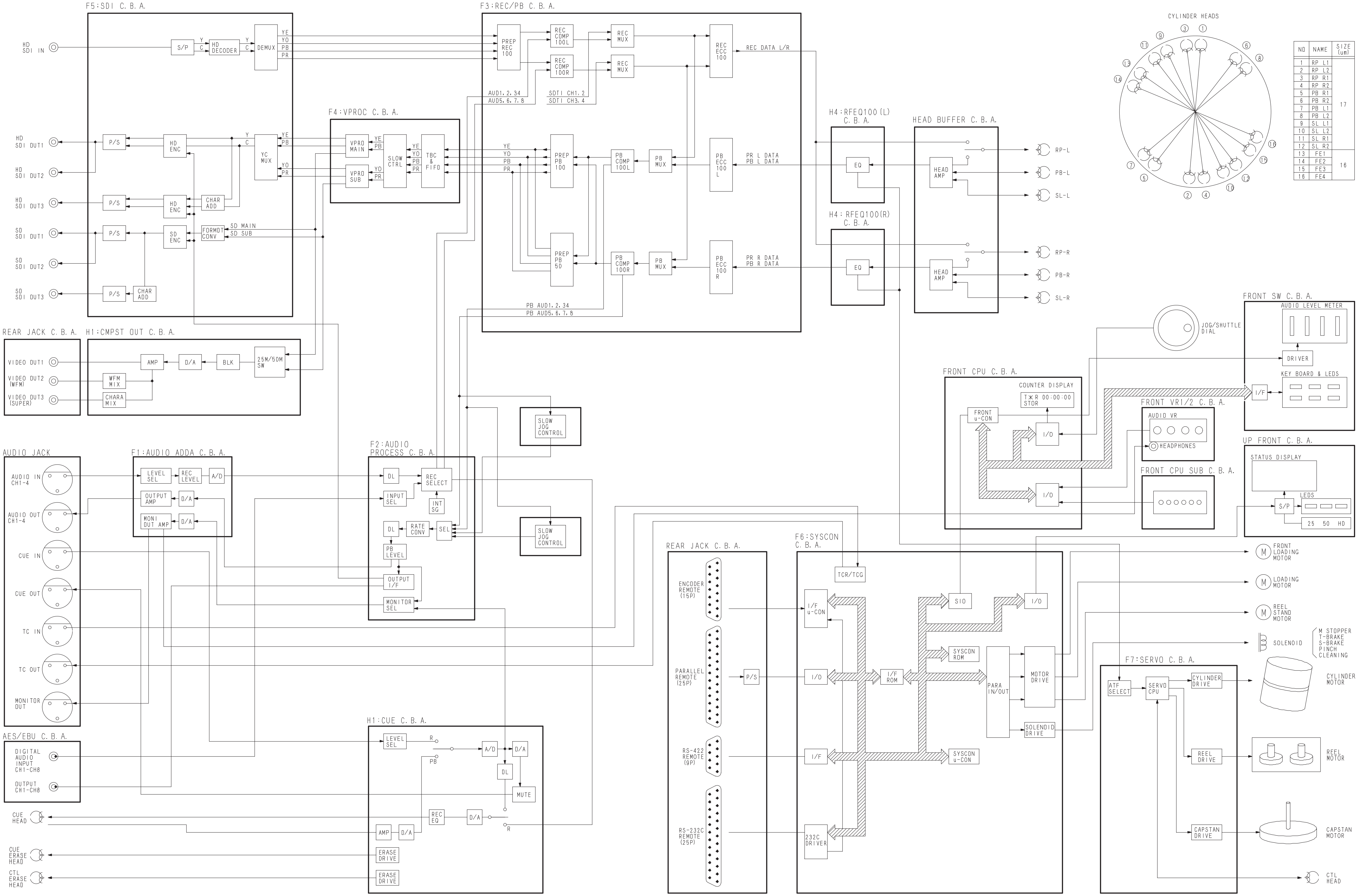
HEAD BUFF 100 BLOCK DIAGRAM BLK-13
A PROC BLOCK DIAGRAM BLK-14
A ADDA BLOCK DIAGRAM BLK-15
CUE BLOCK DIAGRAM BLK-16

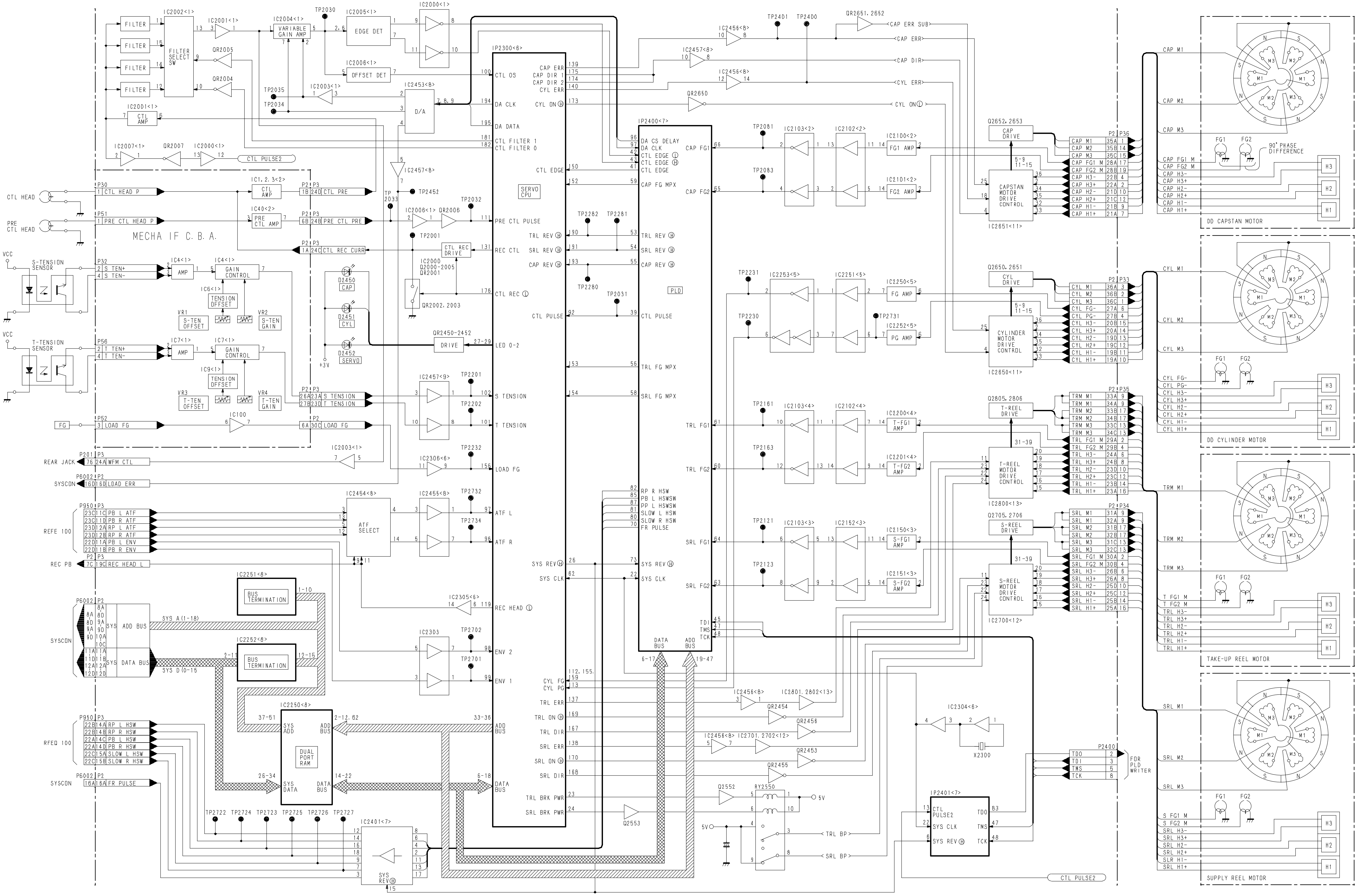
OVERALL BLOCK DIAGRAM



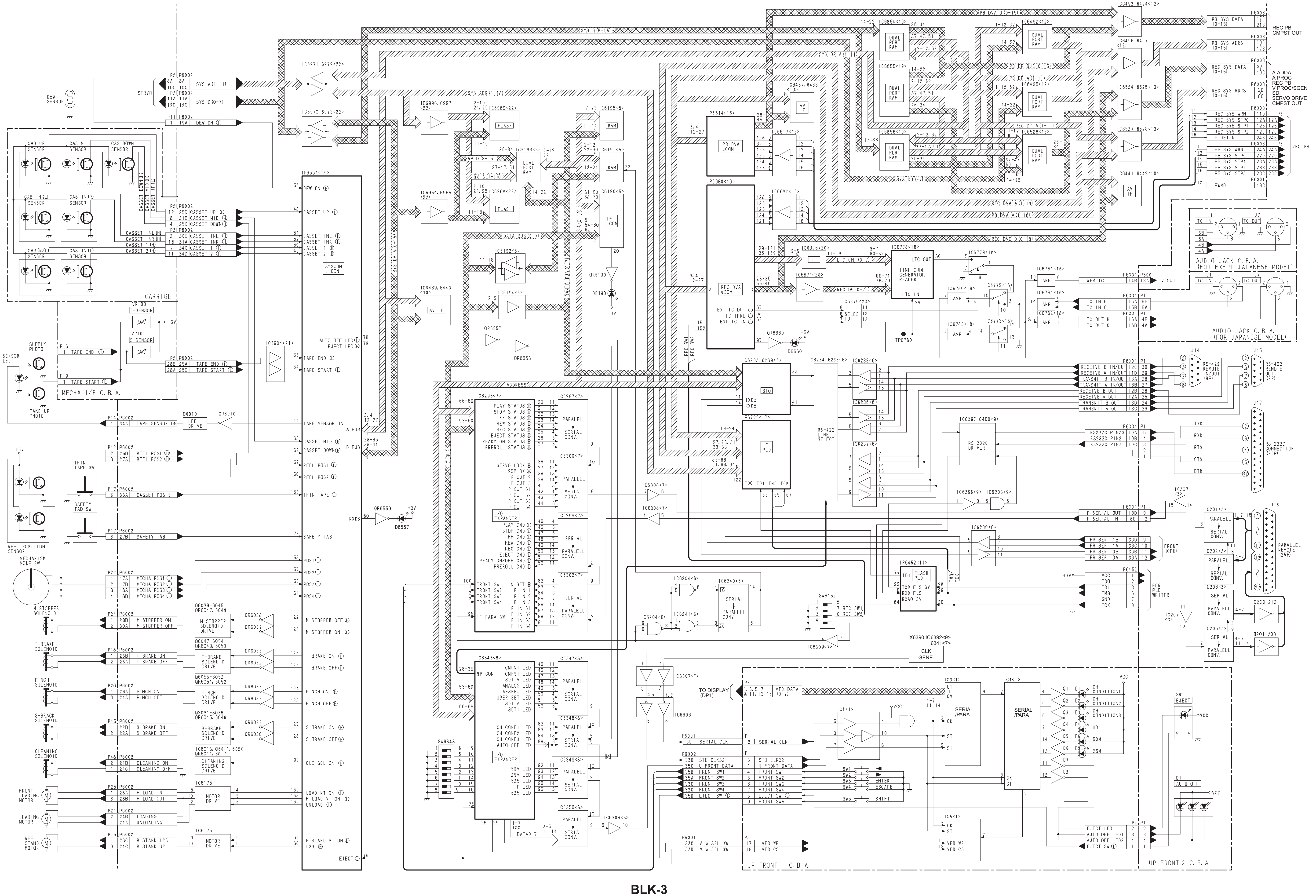
F5:SDI C. B. A.
HD SDI IN
S/P
HD DECODER
DEMUX
YE
YO
PB
PR
HD SDI OUT1
HD SDI OUT2
HD SDI OUT3
SD SDI OUT1
SD SDI OUT2
SD SDI OUT3
P/S
HD ENC
YC MUX
CHAR ADD
SD ENC
FORMDT CONV
SD MAIN
SD SUB
F4:VPROC C. B. A.
VPRO MAIN
VPRO SUB
SLOW CTRL
TBC & FIFO
F3:REC/PB C. B. A.
PREP REC 100
REC COMP 100L
REC COMP 100R
REC MUX
REC ECC 100
REC DATA L/R
AUD1, 2, 34
AUD5, 6, 7, 8
SDTI CH1, 2
SDTI CH3, 4
PREP PB 100
PREP PB 50
PB COMP 100L
PB COMP 100R
PB MUX
PB ECC 100 L
PB ECC 100 R
PB L DATA
PR R DATA
PB R DATA
PB AUD1, 2, 34
PB AUD5, 6, 7, 8
H4:RFEQ100(L) C. B. A.
H4:RFEQ100(R) C. B. A.
EQ
HEAD BUFFER C. B. A.
HEAD AMP
RP-L
PB-L
SL-L
RP-R
PB-R
SL-R
CYLINDER HEADS
REAR JACK C. B. A.
VIDEO OUT1
VIDEO OUT2 (WFM)
VIDEO OUT3 (SUPER)
H1:CMPST OUT C. B. A.
AMP
D/A
BLK
25M/50M SW
WFM MIX
CHARA MIX
SLOW JOG CONTROL
AUDIO JACK
AUDIO IN CH1-4
AUDIO OUT CH1-4
CUE IN
CUE OUT
TC IN
TC OUT
MONITOR OUT
F1:AUDIO ADDA C. B. A.
LEVEL SEL
REC LEVEL
A/D
OUTPUT AMP
MONI OUT AMP
F2:AUDIO PROCESS C. B. A.
DL
REC SELECT
INPUT SEL
INT SG
RATE CONV
SEL
PB LEVEL
OUTPUT I/F
MONITOR SEL
AES/EBU C. B. A.
DIGITAL AUDIO INPUT CH1-CH8
OUTPUT CH1-CH8
CUE HEAD
CUE ERASE HEAD
CTL ERASE HEAD
H1:CUE C. B. A.
R
PB
MUTE
REC EQ
ERASE DRIVE
REAR JACK C. B. A.
ENCODER REMOTE (15P)
PARALLEL REMOTE (25P)
RS-422 REMOTE (9P)
RS-232C REMOTE (25P)
F6:SYSCON C. B. A.
TCR/TCG
I/F u-CON
I/O
I/F
232C DRIVER
I/F ROM
SIO
SYSCON ROM
SYSCON u-CON
PARA IN/OUT
MOTOR DRIVE
SOLENOID DRIVE
FRONT CPU C. B. A.
COUNTER DISPLAY
T☒R 00:00:00 STDR
FRONT u-CON
FRONT VR1/2 C. B. A.
AUDIO VR
HEADPHONES
FRONT CPU SUB C. B. A.
JOG/SHUTTLE DIAL
FRONT SW C. B. A.
AUDIO LEVEL METER
DRIVER
KEY BOARD & LEDS
UP FRONT C. B. A.
STATUS DISPLAY
LEDS
25 50 HD
FRONT LOADING MOTOR
LOADING MOTOR
REEL STAND MOTOR
SOLENOID
M STOPPER
T-BRAKE
S-BRAKE
PINCH
CLEANING
F7:SERVO C. B. A.
ATF SELECT
SERVO CPU
CYLINDER DRIVE
REEL DRIVE
CAPSTAN DRIVE
CYLINDER MOTOR
REEL MOTOR
CAPSTAN MOTOR
CTL HEAD

NO	NAME	SIZE (um)
1	RP L1	17
2	RP L2	
3	RP R1	
4	RP R2	
5	PB R1	
6	PB R2	
7	PB L1	
8	PB L2	
9	SL L1	
10	SL L2	
11	SL R1	
12	SL R2	
13	FE1	16
14	FE2	
15	FE3	
16	FE4	

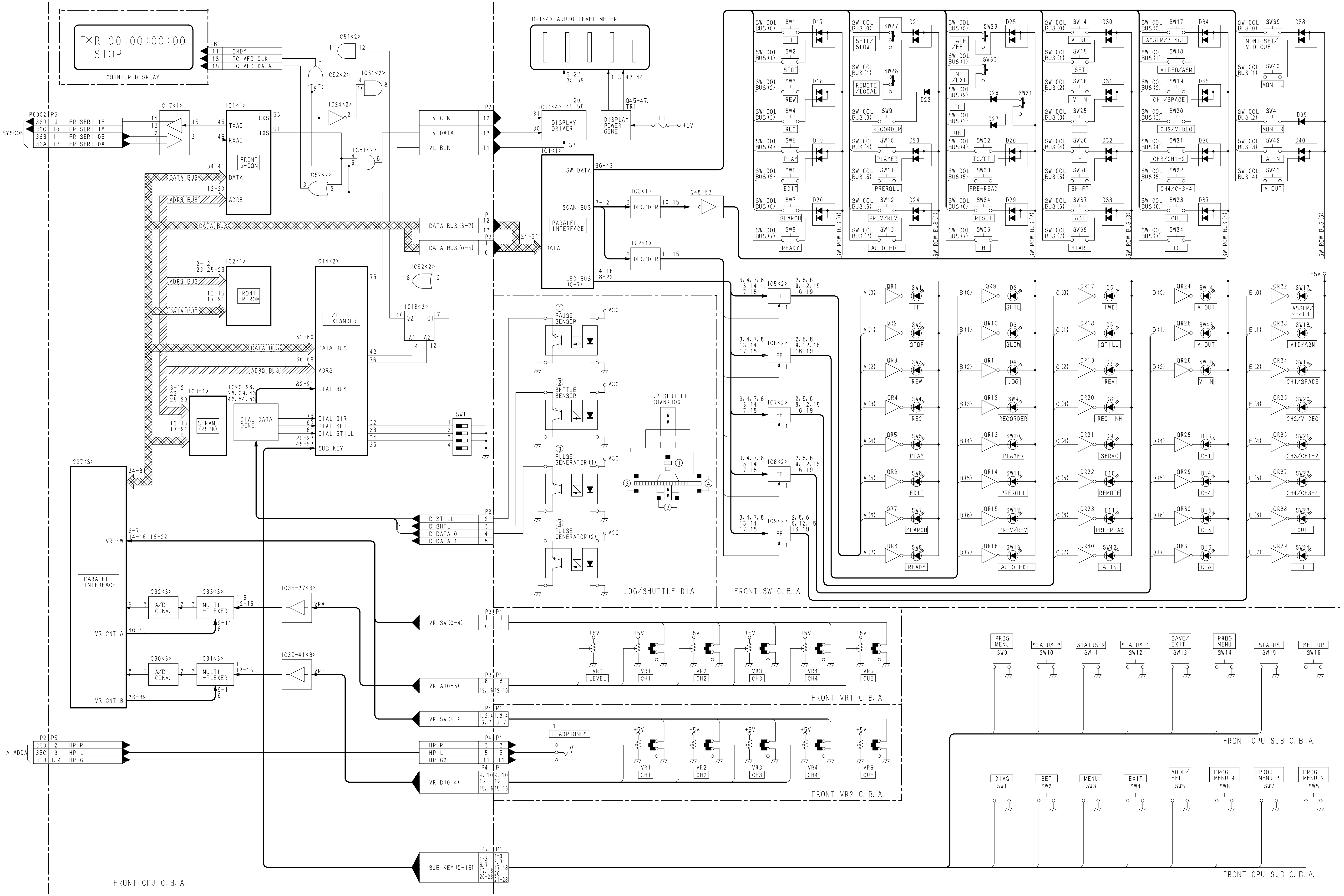
SERVO BLOCK DIAGRAM


IC2002<1>
FILTER
FILTER SELECT SW
IC2001<1>
IC2004<1>
VARIABLE GAIN AMP
TP2030
IC2005<1>
EDGE DET
IC2000<1>
IC2006<1>
OFFSET DET
QR2005
QR2004
TP2035
TP2034
IC2003<1>
IC2453<8>
D/A
CTL AMP
IC2007<1>
QR2007
IC2000<1>
CTL PULSE2
CTL HEAD
PRE CTL HEAD
MECHA IF C.B.A.
CTL HEAD P
PRE CTL HEAD P
IC1,2,3<2>
CTL AMP
IC40<2>
PRE CTL AMP
CTL PRE
PRE CTL PRE
CTL REC CURR
IC2457<8>
TP2033
TP2452
IC2006<1>
QR2006
TP2032
TP2001
CTL REC DRIVE
IC2000
Q2000-2005
QR2001
QR2002, 2003
D2450
CAP
D2451
CYL
D2452
SERVO
+3V
QR2450-2452
DRIVE
VCC
S-TENSION SENSOR
S TEN+
S TEN-
IC4<1>
AMP
GAIN CONTROL
IC6<1>
TENSION OFFSET
VR1
S-TEN OFFSET
VR2
S-TEN GAIN
T-TENSION SENSOR
T TEN+
T TEN-
IC7<1>
IC9<1>
VR3
T-TEN OFFSET
VR4
T-TEN GAIN
S TENSION
T TENSION
FG
LOAD FG
IC100
IC2457<9>
TP2201
TP2202
IC2003<1>
IC2306<6>
TP2232
REAR JACK
WFM CTL
SYSCON
LOAD ERR
REFE 100
PB L ATF
PB R ATF
RP L ATF
RP R ATF
PB L ENV
PB R ENV
IC2454<8>
ATF SELECT
IC2455<8>
TP2732
TP2734
REC PB
REC HEAD L
IC2251<8>
BUS TERMINATION
IC2305<6>
SYS A(1-18)
SYS ADD BUS
IC2252<8>
SYS DATA BUS
SYS D(0-15)
IC2303
TP2702
TP2701
IC2250<8>
SYS ADD
ADD BUS
DUAL PORT RAM
SYS DATA
DATA BUS
RFEQ 100
RP L HSW
RP R HSW
PB L HSW
PB R HSW
SLOW L HSW
SLOW R HSW
FR PULSE
TP2722
TP2724
TP2723
TP2725
TP2726
TP2727
IC2401<7>
SYS REV H
IP2300<8>
CTL OS
DA CLK
DA DATA
CTL FILTER 1
CTL FILTER 0
SERVO CPU
PRE CTL PULSE
REC CTL
CTL REC L
LED 0-2
LOAD FG
ATF L
ATF R
REC HEAD L
ENV 2
ENV 1
ADD BUS
DATA BUS
CAP ERR
CAP DIR 1
CAP DIR 2
CYL ERR
CYL ON H
CTL EDGE
TRL REV H
SRL REV H
CAP REV H
CTL PULSE
SYS REV H
SYS CLK
CYL FG
CYL PG
TRL ERR
TRL ON H
TRL DIR
SRL ERR
SRL ON H
SRL DIR
TRL BRK PWR
SRL BRK PWR
IP2400<7>
DA CS DELAY
CTL EDGE L
CTL EDGE H
CAP FG1
CAP FG MPX
CAP FG2
TP2282
TP2281
TP2280
TP2031
PLD
TRL FG MPX
SRL FG MPX
TRL FG1
TRL FG2
RP R HSW
PB L HSWSW
PP L HSWSW
SLOW L HSW
SLOW R HSW
FR PULSE
SRL FG1
SRL FG2
TDI
TMS
TCK
TP2401
TP2400
IC2456<8>
IC2457<8>
QR2651, 2652
CAP ERR SUB
CAP DIR
CYL ON L
QR2650
TP2081
TP2083
IC2103<2>
IC2102<2>
IC2100<2>
FG1 AMP
IC2101<2>
FG2 AMP
TP2231
TP2230
IC2253<5>
IC2251<5>
IC2250<5>
FG AMP
TP2731
IC2252<5>
PG AMP
TP2161
TP2163
IC2103<4>
IC2102<4>
IC2200<4>
T-FG1 AMP
IC2201<4>
T-FG2 AMP
TP2121
TP2123
IC2103<3>
IC2152<3>
IC2150<3>
S-FG1 AMP
IC2151<3>
S-FG2 AMP
IC2458<8>
IC2801, 2802<13>
QR2454
QR2456
IC2456<8>
IC2701, 2702<12>
QR2453
QR2455
Q2552
RY2550
Q2553
5V
TRL BP
SRL BP
IC2304<6>
X2300
P2400
TDO
TMS
FOR PLD WRITER
IP2401<7>
CTL PULSE2
SYS CLK
SYS REV H
Q2652, 2653
CAP DRIVE
CAPSTAN MOTOR DRIVE CONTROL
IC2651<1>
CAP M1
CAP M2
CAP M3
CAP FG1 M
CAP FG2 M
CAP H3-
CAP H3+
CAP H2-
CAP H2+
CAP H1-
CAP H1+
Q2650, 2651
CYL DRIVE
CYLINDER MOTOR DRIVE CONTROL
IC2650<1>
CYL M1
CYL M2
CYL M3
CYL FG-
CYL PG-
CYL H3-
CYL H3+
CYL H2-
CYL H2+
CYL H1-
CYL H1+
Q2805, 2806
T-REEL DRIVE
T-REEL MOTOR DRIVE CONTROL
IC2800<13>
TRM M1
TRM M2
TRM M3
TRL FG1 M
TRL FG2 M
TRL H3-
TRL H3+
TRL H2-
TRL H2+
TRL H1-
TRL H1+
Q2705, 2706
S-REEL DRIVE
S-REEL MOTOR DRIVE CONTROL
IC2700<12>
SRL M1
SRL M2
SRL M3
SRL FG1 M
SRL FG2 M
SRL H3-
SRL H3+
SRL H2-
SRL H2+
SRL H1-
SRL H1+
FG1
FG2
90° PHASE DIFFERENCE
H1
H2
H3
M1
M2
M3
N
S
DD CAPSTAN MOTOR
DD CYLINDER MOTOR
T FG1 M
T FG2 M
TAKE-UP REEL MOTOR
S FG1 M
S FG2 M
SLR H1-
SUPPLY REEL MOTOR

SYSCON BLOCK DIAGRAM

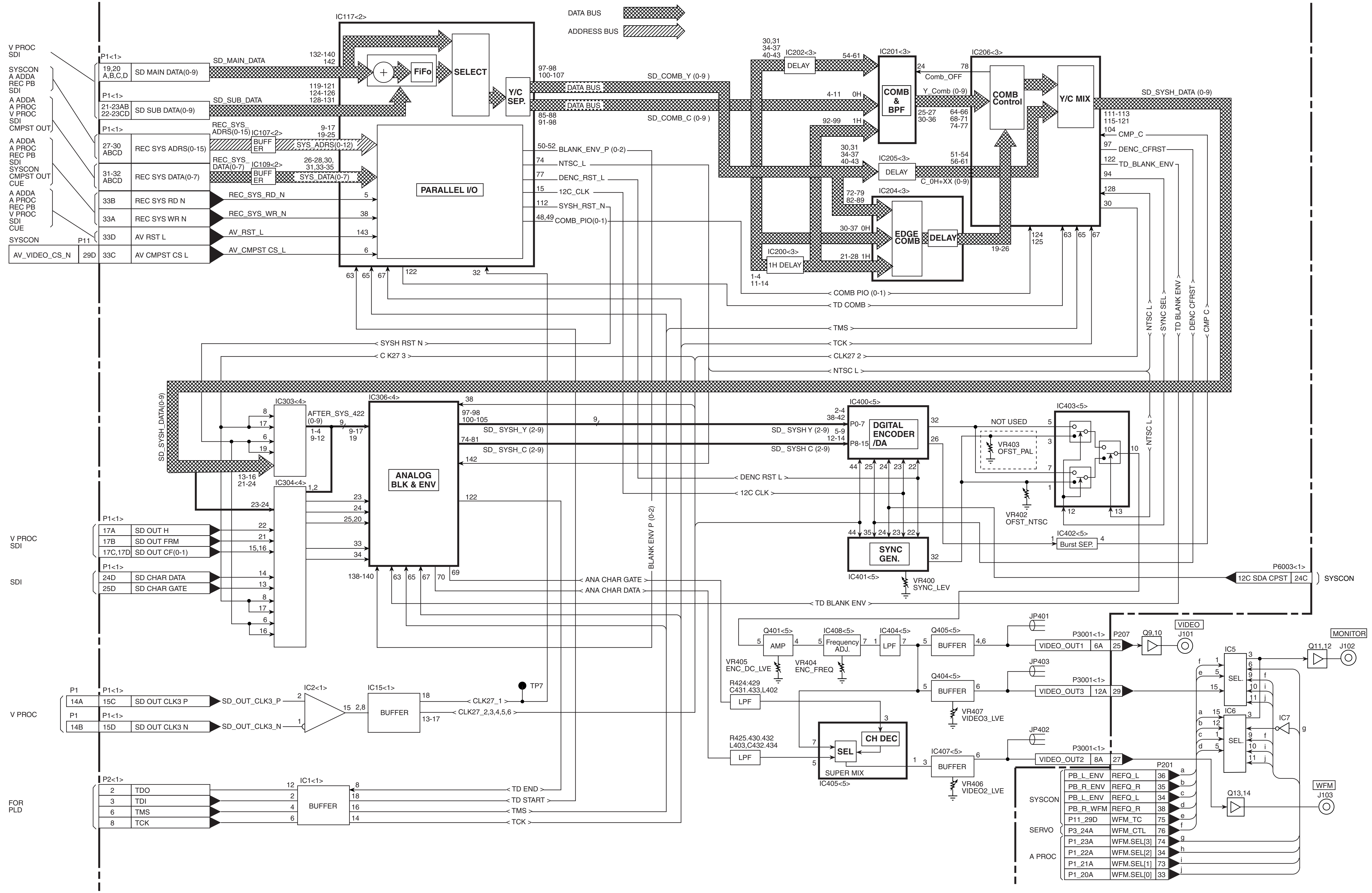

SERVO
DEW SENSOR
CAS UP SENSOR
CAS M SENSOR
CAS DOWN SENSOR
CAS IN(L) SENSOR
CAS IN(R) SENSOR
CAS(M/L) SENSOR
CAS IN(L) SENSOR
CARRIGE
VR100 T-SENSOR
VR101 S-SENSOR
SUPPLY PHOTO
SENSOR LED
TAKE-UP PHOTO
MECHA I/F C.B.A.
THIN TAPE SW
SAFETY TAB SW
REEL POSITION SENSOR
MECHANISM MODE SW
M STOPPER SOLENOID
T-BRAKE SOLENOID
PINCH SOLENOID
S-BRACK SOLENOID
CLEANING SOLENOID
FRONT LOADING MOTOR
LOADING MOTOR
REEL STAND MOTOR
IC6971, 6972<22>
IC6970, 6973<22>
IC6554<14>
SYSCON u-CON
DEW ON
CASSET UP
CASSET INL
CASSET INR
CASSET 1
CASSET 2
TAPE END
TAPE START
TAPE SENSOR ON
CASSET MID
CASSET DOWN
REEL POS1
REEL POS2
THIN TAPE
SAFETY TAB
POS1
POS2
POS3
POS4
M STOPPER OFF
M STOPPER ON
T BRAKE ON
T BRAKE OFF
PINCH ON
PINCH OFF
S BRAKE ON
S BRAKE OFF
CLE SOL ON
LOAD MT ON
F LOAD MT ON
UNLOAD
R STAND MT ON
L2S
EJECT
AUTO OFF LED
EJECT LED
A BUS
D BUS
RXD3
IC6904<21>
SYS A(1-11)
SYS D(0-7)
SYS ADR(1-18)
SYS D(8-15)
SYS DP A(1-11)
IC6996, 6997 <22>
IC6969<22> FLASH
IC6968<22> FLASH
IC6964, 6965 <22>
IC6193<5> DUAL PORT RAM
IC6195<5> RAM
IC6191<5> RAM
IC6190<5> IF uCOM
QR6190
D6190
+3V
IC6192<5>
IC6194<5>
IC6439, 6440 <10> AV IF
DATA BUS(0-7)
RAM D BUS(0-7)
ADDRESS
QR6557
QR6558
QR6559
D6557
IC6295<7>
PLAY STATUS
STOP STATUS
FF STATUS
REW STATUS
REC STATUS
EJECT STATUS
READY ON STATUS
PREROLL STATUS
SERVO LOCK
25P OK
P OUT 2
P OUT 3
P OUT S1
P OUT S2
P OUT S3
P OUT S4
I/O EXPANDER
PLAY CMD
STOP CMD
FF CMD
REW CMD
REC CMD
EJECT CMD
READY ON/OFF CMD
PREROLL CMD
FRONT SW1
FRONT SW2
FRONT SW3
FRONT SW4
IN SET
P IN 1
P IN 2
P IN 3
P IN S1
P IN S2
P IN S3
P IN S4
IF PARA SW
IC6297<7> PARALELL SERIAL CONV.
IC6300<7> PARALELL SERIAL CONV.
IC6299<7> SERIAL PARALELL CONV.
IC6302<7> SERIAL PARALELL CONV.
IC6343<8>
9P CONT
CMPNT LED
CMPST LED
SDI V LED
ANALOG LED
AESEBU LED
USER SET LED
SDI A LED
SDTI LED
CH COND1 LED
CH COND2 LED
CH COND3 LED
AUTO OFF LED
50M LED
25M LED
525 LED
P LED
625 LED
IC6347<8> PARALELL SERIAL CONV.
IC6348<8> PARALELL SERIAL CONV.
IC6349<8> SERIAL PARALELL CONV.
IC6350<8> PARALELL SERIAL CONV.
IC6308<8>
SW6343
DATA0-7
IP6614<15> PB DVA uCOM
IP6680<16> REC DVA uCOM
EXT TC OUT
TC THRU
EXT TC IN
REC SW1
REC SW2
QR6680
D6680
+5V
IC6617<15>
IC6682<15>
IC6437, 6438 <10> AV IF
IC6854<19> DUAL PORT RAM
IC6855<19> DUAL PORT RAM
IC6856<19> DUAL PORT RAM
IC6492<12> DUAL PORT RAM
IC6495<12> DUAL PORT RAM
IC6526<13> DUAL PORT RAM
PB DVA D(0-15)
PB DP BUS(0-15)
PB DP A(1-11)
REC DP A(1-11)
SYS D(0-7)
REC DVA A(1-18)
PB DVA A(1-16)
REC DVC D(0-15)
IC6493, 6494<12>
IC6496, 6497 <12>
IC6524, 6525<13>
IC6527, 6528<13>
IC6441, 6442<10> AV IF
PB SYS DATA (0-15)
PB SYS ADRS (0-15)
REC SYS DATA (0-15)
REC SYS ADRS (0-15)
REC SYS WRN
REC SYS STP0
REC SYS STP1
REC SYS STP2
P RET N
PB SYS WRN
PB SYS STP0
PB SYS STP1
PB SYS STP2
PB SYS STP3
PWMD
P6003
P6001
REC PB CMPST OUT
A ADDA
A PROC
REC PB
V PROC/SGEN
SDI
SERVO DRIVE
CMPST OUT
REC PB
IC6876<20> FF
LTC CNT(0-7)
IC6778<18> TIME CODE GENERATOR READER
LTC OUT
LTC IN
IC6871<20>
REC DS(0-7)
IC6875<20> SELECTOR
TP6780
IC6779<18>
IC6781<18> AMP
IC6780<18> AMP
IC6781<18> AMP
IC6782<18> AMP
IC6783<18> AMP
IC6773<18>
WFM TC
V OUT
TC IN H
TC IN C
TC OUT H
TC OUT C
J1 TC IN
J7 TC OUT
AUDIO JACK C.B.A. (FOR EXEPT JAPANESE MODEL)
AUDIO JACK C.B.A. (FOR JAPANESE MODEL)
IC6233, 6239<6> SIO
TXDB
RXDB
IP6729<17> IF PLD
TDO TDI TMS TCK
IC6234, 6235<6> RS-422 LINE SELECT
IC6238<6>
IC6236<6>
IC6237<6>
RECEIVE B IN/OUT
RECEIVE A IN/OUT
TRANSMIT B IN/OUT
TRANSMIT A IN/OUT
RECEIVE B OUT
RECEIVE A OUT
TRANSMIT B OUT
TRANSMIT A OUT
J14 RS-422 REMOTE IN/OUT (9P)
J15 RS-422 REMOTE OUT (9P)
IC6397-6400<9> RS-232C DRIVER
RS232C PIN2
RS232C PIN2
RS232C PIN3
TXD
RXD
RTS
CTS
DTR
J17 RS-232C CONNECTION (25P)
IC6396<9>
IC6203<9>
IC207 <3>
P SERIAL OUT
P SERIAL IN
IC201<3> PARALELL SERIAL CONV.
IC202<3> PARALELL SERIAL CONV.
IC206<3> SERIAL PARALELL CONV.
IC205<3> SERIAL PARALELL CONV.
Q209-212
Q201-208
J18 PARALLEL REMOTE (25P)
IC6238<6>
FR SERI IB
FR SERI IA
FR SERI OB
FR SERI OA
FRONT (CPU)
IP6452<11> FLASH PLD
TDI
TXD FLS 3V
RXD FLS
RXAO 3V
TMS
TCK
VCC
TDO
TDI
TMS
GND
TCK
P6452
FOR PLD WRITER
IC6204<6>
IC6240<6> SERIAL PARALLEL CONV.
IC6241<6>
SW6452
REC SW1
REC SW2
IC6309<7>
IC6307<7>
IC6306
X6390,IC6392<9> 6341<7>
CLK GENE.
TO DISPLAY (DP1)
VFD DATA (0-7)
SERIAL CLK
STB CLK32
U FRONT DATA
FRONT SW1
FRONT SW2
FRONT SW3
FRONT SW4
EJECT SW
FRONT SW5
A W SEL SW L
V W SEL SW L
VFD WR
VFD CS
IC1<1>
IC3<1> SERIAL /PARA
IC4<1> SERIAL /PARA
IC5<1>
ENTER
ESCAPE
SHIFT
CH CONDITION1
CH CONDITION2
CH CONDITION3
HD
50M
25M
UP FRONT 1 C.B.A.
SW1 EJECT
D1 AUTO OFF
EJECT LED
AUTO OFF LED1
AUTO OFF LED2
EJECT SW
UP FRONT 2 C.B.A.

FRONT BLOCK DIAGRAM

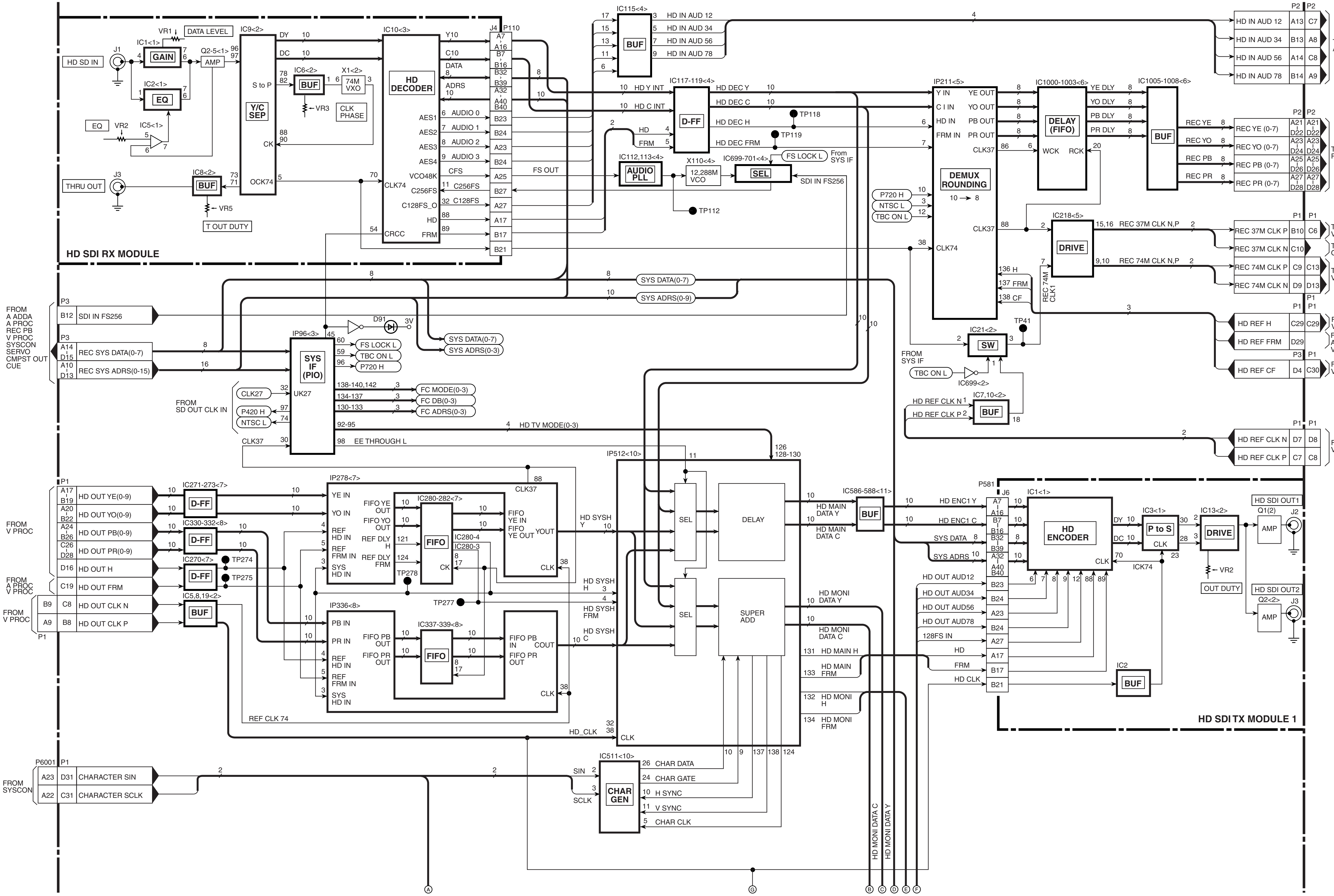


T*R 00:00:00:00
STOP
COUNTER DISPLAY
P6
SRDY
TC VFD CLK
TC VFD DATA
IC51<2>
IC52<2>
IC24<2>
IC17<1>
IC1<1>
TXAO
RXAO
CKS
TXS
FRONT u-CON
DATA
ADRS
DATA BUS
ADRS BUS
SYSCON
P6002
P5
FR SERI 1B
FR SERI 1A
FR SERI 0B
FR SERI 0A
DP1<4> AUDIO LEVEL METER
IC11<4>
DISPLAY DRIVER
DISPLAY POWER GENE.
Q45-47, TR1
F1
+5V
LV CLK
LV DATA
VL BLK
P2
P1
DATA BUS (6-7)
DATA BUS (0-5)
IC1<1>
SW DATA
SCAN BUS
PARALELL INTERFACE
LED BUS (0-7)
IC3<1>
DECODER
IC2<1>
Q48-53
IC2<1>
FRONT EP-ROM
IC14<2>
I/O EXPANDER
DATA BUS
ADRS
DIAL BUS
DIAL DIR
DIAL SHTL
DIAL STILL
SUB KEY
IC52<2>
IC18<2>
IC3<1>
S-RAM (256K)
IC22-26, 28, 29, 43
DIAL DATA GENE.
SW1
IC27<3>
PARALELL INTERFACE
VR SW
VR CNT A
VR CNT B
D STILL
D SHTL
D DATA 0
D DATA 1
P8
① PAUSE SENSOR
② SHTLE SENSOR
③ PULSE GENERATOR (1)
④ PULSE GENERATOR (2)
VCC
UP:SHUTTLE DOWN:JOG
JOG/SHUTTLE DIAL
SW COL BUS (0)–(7)
SW ROW BUS (0)–(5)
SW1 FF
SW2 STOP
SW3 REW
SW4 REC
SW5 PLAY
SW6 EDIT
SW7 SEARCH
SW8 READY
SW27 SHTL/SLOW
SW28 REMOTE/LOCAL
SW9 RECORDER
SW10 PLAYER
SW11 PREROLL
SW12 PREV/REV
SW13 AUTO EDIT
SW29 TAPE/FF
SW30 INT/EXT
SW31
TC
UB
SW32 TC/CTL
SW33 PRE-READ
SW34 RESET
SW35 B
SW14 V OUT
SW15 SET
SW16 V IN
SW25 -
SW26 +
SW36 SHIFT
SW37 ADJ
SW38 START
SW17 ASSEM/2-4CH
SW18 VIDEO/ASM
SW19 CH1/SPACE
SW20 CH2/VIDEO
SW21 CH3/CH1-2
SW22 CH4/CH3-4
SW23 CUE
SW24 TC
SW39 MONI SET/VID CUE
SW40 MONI L
SW41 MONI R
SW42 A IN
SW43 A OUT
IC5<2> FF
IC6<2> FF
IC7<2> FF
IC8<2> FF
IC9<2> FF
A (0)–A (7)
B (0)–B (7)
C (0)–C (7)
D (0)–D (7)
E (0)–E (7)
QR1–QR40
FF
STOP
REW
REC
PLAY
EDIT
SEARCH
READY
SHTL
SLOW
JOG
RECORDER
PLAYER
PREROLL
PREV/REV
AUTO EDIT
FWD
STILL
REV
REC INH
SERVO
REMOTE
PRE-READ
A IN
V OUT
A OUT
V IN
CH1
CH4
CH5
CH8
ASSEM/2-4CH
VID/ASM
CH1/SPACE
CH2/VIDEO
CH3/CH1-2
CH4/CH3-4
CUE
TC
FRONT SW C. B. A.
IC32<3> A/D CONV.
IC33<3> MULTI-PLEXER
IC35-37<3>
VRA
IC30<3> A/D CONV.
IC31<3> MULTI-PLEXER
IC39-41<3>
VRB
VR SW (0-4)
VR A (0-5)
VR SW (5-9)
VR B (0-4)
P3
P4
P7
VR6 LEVEL
VR1 CH1
VR2 CH2
VR3 CH3
VR4 CH4
VR5 CUE
FRONT VR1 C. B. A.
FRONT VR2 C. B. A.
J1 HEADPHONES
A ADDA
HP R
HP L
HP G
HP G2
SUB KEY (0-15)
PROG MENU SW9
STATUS 3 SW10
STATUS 2 SW11
STATUS 1 SW12
SAVE/EXIT SW13
PROG MENU SW14
STATUS SW15
SET UP SW16
DIAG SW1
SET SW2
MENU SW3
EXIT SW4
MODE/SEL SW5
PROG MENU 4 SW6
PROG MENU 3 SW7
PROG MENU 2 SW8
FRONT CPU SUB C. B. A.
FRONT CPU C. B. A.

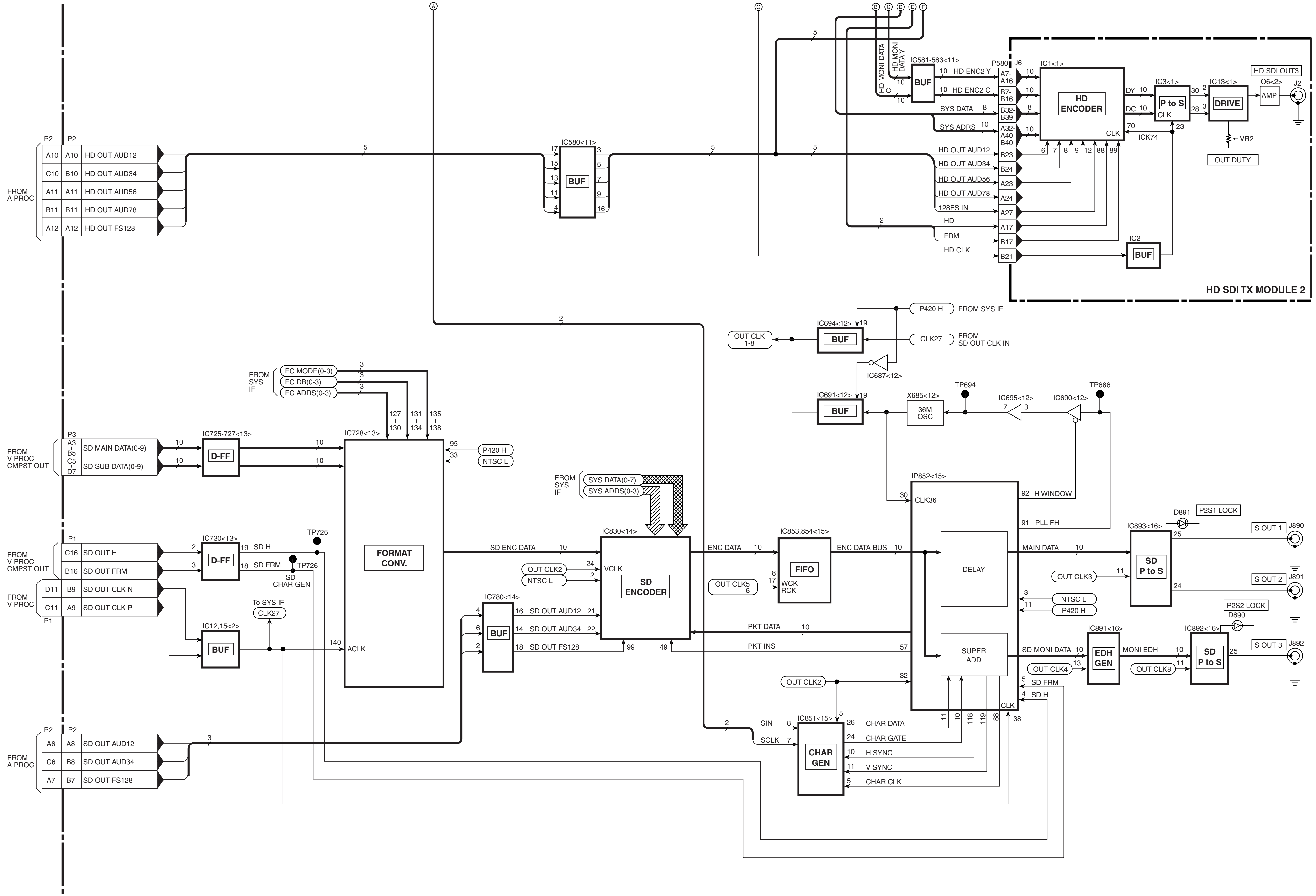
CMPST OUT BLOCK DIAGRAM


DATA BUS
ADDRESS BUS
IC117<2>
SELECT
FiFo
Y/C SEP.
PARALLEL I/O
SD_MAIN_DATA
SD_SUB_DATA
SD MAIN DATA(0-9)
SD SUB DATA(0-9)
REC SYS ADRS(0-15)
REC SYS DATA(0-7)
REC SYS RD N
REC SYS WR N
AV RST L
AV CMPST CS L
AV_VIDEO_CS_N
REC_SYS_RD_N
REC_SYS_WR_N
AV_RST_L
AV_CMPST CS_L
IC107<2>
IC109<2>
BUFF ER
SYS_ADRS(0-12)
SYS_DATA(0-7)
V PROC
SDI
SYSCON
A ADDA
A PROC
REC PB
CMPST OUT
CUE
P1<1>
P11
SD_COMB_Y (0-9)
SD_COMB_C (0-9)
BLANK_ENV_P (0-2)
NTSC_L
DENC_RST_L
12C_CLK
SYSH_RST_N
COMB_PIO(0-1)
IC202<3>
DELAY
IC201<3>
COMB & BPF
IC206<3>
COMB Control
Y/C MIX
Comb_OFF
Y_Comb (0-9)
IC205<3>
C_0H+XX (0-9)
IC204<3>
EDGE COMB
IC200<3>
1H DELAY
SD_SYSH_DATA (0-9)
CMP_C
DENC_CFRST
TD_BLANK_ENV
COMB PIO (0-1)
TD COMB
TMS
TCK
CLK27 2
NTSC L
SYSH RST N
C K27 3
SYNC SEL
TD BLANK ENV
DENC CFRST
CMP C
SD_SYSH_DATA(0-9)
IC303<4>
IC304<4>
AFTER_SYS_422 (0-9)
IC306<4>
ANALOG BLK & ENV
SD_ SYSH_Y (2-9)
SD_ SYSH_C (2-9)
IC400<5>
DGITAL ENCODER /DA
NOT USED
VR403 OFST_PAL
IC403<5>
VR402 OFST_NTSC
DENC RST L
12C CLK
BLANK ENV P (0-2)
IC402<5>
Burst SEP.
SYNC GEN.
IC401<5>
VR400 SYNC_LEV
P6003<1>
12C SDA CPST
SYSCON
ANA CHAR GATE
ANA CHAR DATA
TD BLANK ENV
SD OUT H
SD OUT FRM
SD OUT CF(0-1)
SD CHAR DATA
SD CHAR GATE
Q401<5>
AMP
IC408<5>
Frequency ADJ.
IC404<5>
LPF
Q405<5>
BUFFER
VR405 ENC_DC_LVE
VR404 ENC_FREQ
R424:429 C431.433,L402
R425.430.432 L403,C432.434
IC405<5>
SEL
CH DEC
SUPER MIX
Q404<5>
VR407 VIDEO3_LVE
IC407<5>
VR406 VIDEO2_LVE
JP401
JP403
JP402
P3001<1>
VIDEO_OUT1
VIDEO_OUT3
VIDEO_OUT2
P207
P201
Q9,10
VIDEO
J101
MONITOR
Q11,12
J102
IC5
IC6
IC7
WFM
Q13,14
J103
PB_L_ENV
PB_R_ENV
PB_R_WFM
REFQ_L
REFQ_R
WFM_TC
WFM_CTL
WFM.SEL[3]
WFM.SEL[2]
WFM.SEL[1]
WFM.SEL[0]
SERVO
A PROC
IC2<1>
IC15<1>
TP7
SD OUT CLK3 P
SD OUT CLK3 N
SD_OUT_CLK3_P
SD_OUT_CLK3_N
CLK27_1
CLK27_2,3,4,5,6
P2<1>
TDO
TDI
TMS
TCK
IC1<1>
TD END
TD START
FOR PLD

SDI (1/2) BLOCK DIAGRAM

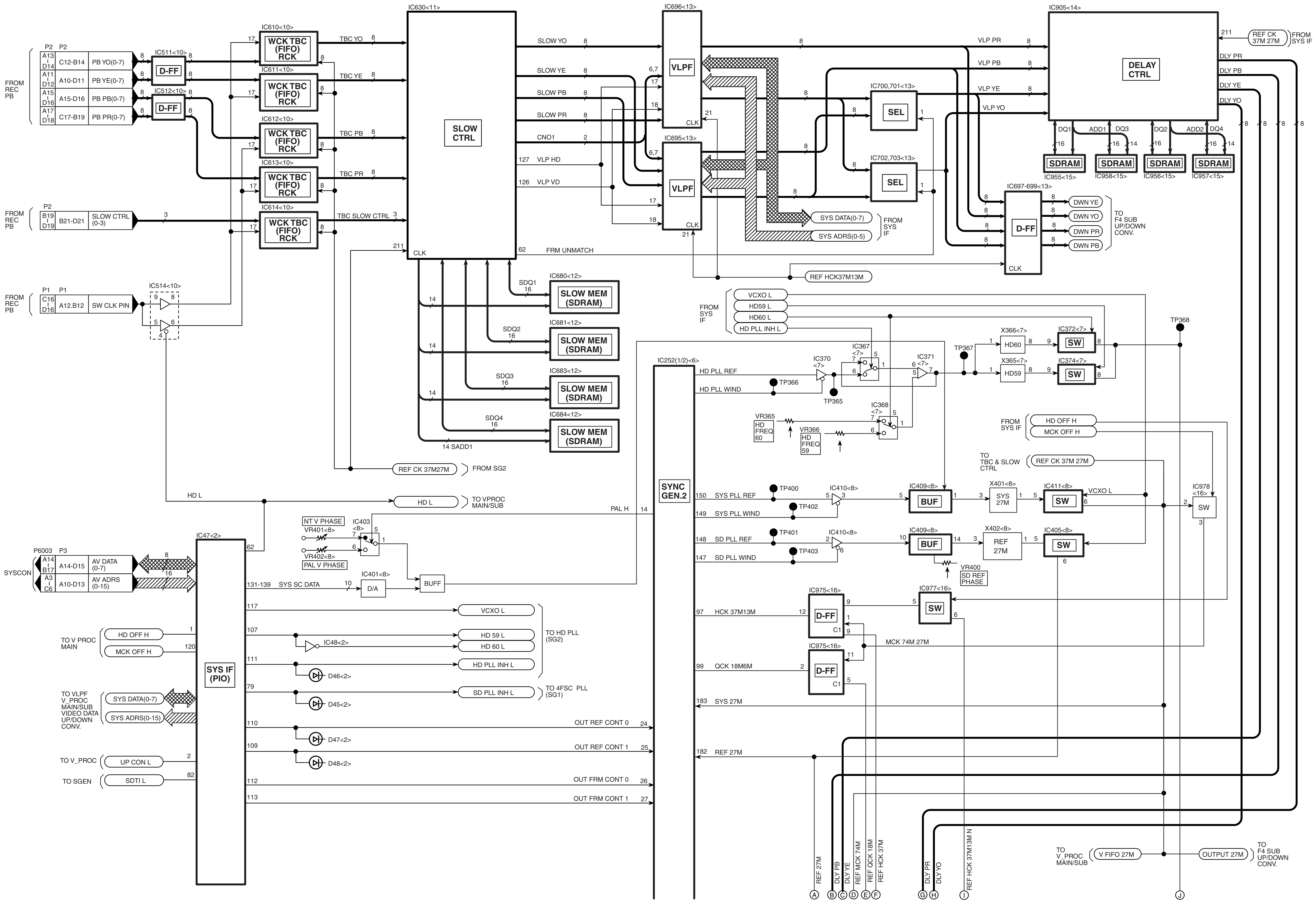

HD SDI RX MODULE
HD SD IN
J1
VR1
DATA LEVEL
IC1<1>
GAIN
IC2<1>
EQ
Q2-5<1>
AMP
EQ
VR2
IC5<1>
IC9<2>
Y/C SEP
S to P
DY
DC
CK
OCK74
IC6<2>
BUF
VR3
X1<2>
74M VXO
CLK PHASE
IC10<3>
HD DECODER
Y10
C10
DATA
ADRS
AES1
AES2
AES3
AES4
AUDIO 0
AUDIO 1
AUDIO 2
AUDIO 3
CFS
VCO48K
C256FS
C128FS_O
HD
FRM
CLK74
CRCC
J4
P110
THRU OUT
J3
IC8<2>
BUF
VR5
T OUT DUTY
FS OUT
IC115<4>
BUF
HD IN AUD 12
HD IN AUD 34
HD IN AUD 56
HD IN AUD 78
IC117-119<4>
D-FF
HD Y INT
HD C INT
HD DEC Y
HD DEC C
HD DEC H
HD DEC FRM
TP118
TP119
IC112,113<4>
AUDIO PLL
X110<4>
12,288M VCO
IC699-701<4>
SEL
FS LOCK L
From SYS IF
SDI IN FS256
TP112
IP211<5>
Y IN
C IN
HD IN
FRM IN
YE OUT
YO OUT
PB OUT
PR OUT
CLK37
DEMUX ROUNDING
10 → 8
CLK74
P720 H
NTSC L
TBC ON L
136 H
137 FRM
138 CF
IC1000-1003<6>
DELAY (FIFO)
WCK
RCK
YE DLY
YO DLY
PB DLY
PR DLY
IC1005-1008<6>
BUF
REC YE
REC YO
REC PB
REC PR
TO A PROC
HD IN AUD 12
HD IN AUD 34
HD IN AUD 56
HD IN AUD 78
REC YE (0-7)
REC YO (0-7)
REC PB (0-7)
REC PR (0-7)
TO REC PB
IC218<5>
DRIVE
REC 37M CLK N,P
REC 74M CLK N,P
REC 74M CLK1
REC 37M CLK P
REC 37M CLK N
REC 74M CLK P
REC 74M CLK N
TO V PROC
TO OPTION
TO V PROC
TP41
IC21<2>
SW
FROM SYS IF
TBC ON L
IC699<2>
HD REF CLK N
HD REF CLK P
IC7,10<2>
BUF
HD REF H
HD REF FRM
HD REF CF
FROM V PROC
FROM A PROC V PROC
FROM V PROC
HD REF CLK N
HD REF CLK P
FROM V PROC
SYS DATA(0-7)
SYS ADRS(0-9)
FROM A ADDA A PROC REC PB V PROC SYSCON SERVO CMPST OUT CUE
P3
SDI IN FS256
REC SYS DATA(0-7)
REC SYS ADRS(0-15)
D91
3V
IP96<3>
SYS IF (PIO)
UK27
FS LOCK L
TBC ON L
P720 H
SYS DATA(0-7)
SYS ADRS(0-3)
FC MODE(0-3)
FC DB(0-3)
FC ADRS(0-3)
HD TV MODE(0-3)
EE THROUGH L
FROM SD OUT CLK IN
CLK27
P420 H
NTSC L
CLK37
IP512<10>
SEL
DELAY
SEL
SUPER ADD
HD SYSH Y
HD SYSH H
HD SYSH FRM
HD SYSH C
HD_CLK
CLK
HD MAIN DATA Y
HD MAIN DATA C
HD MONI DATA Y
HD MONI DATA C
HD MAIN H
HD MAIN FRM
HD MONI H
HD MONI FRM
FROM V PROC
HD OUT YE(0-9)
HD OUT YO(0-9)
HD OUT PB(0-9)
HD OUT PR(0-9)
HD OUT H
HD OUT FRM
HD OUT CLK N
HD OUT CLK P
FROM A PROC V PROC
FROM V PROC
IC271-273<7>
D-FF
IC330-332<8>
D-FF
IC270<7>
D-FF
TP274
TP275
IC5,8,19<2>
BUF
IP278<7>
YE IN
YO IN
REF HD IN
REF FRM IN
SYS HD IN
FIFO YE OUT
FIFO YO OUT
REF DLY H
REF DLY FRM
IC280-282<7>
FIFO
CK
IC280-4
IC280-3
TP278
FIFO YE IN
FIFO YE OUT
YOUT
CLK37
CLK
TP277
IP336<8>
PB IN
PR IN
REF HD IN
REF FRM IN
SYS HD IN
FIFO PB OUT
FIFO PR OUT
IC337-339<8>
FIFO
FIFO PB IN
FIFO PR OUT
COUT
CLK
REF CLK 74
IC586-588<11>
BUF
P581
J6
HD ENC1 Y
HD ENC1 C
SYS DATA
SYS ADRS
HD OUT AUD12
HD OUT AUD34
HD OUT AUD56
HD OUT AUD78
128FS IN
HD
FRM
HD CLK
IC1<1>
HD ENCODER
DY
DC
CLK
ICK74
IC3<1>
P to S
CLK
IC13<2>
DRIVE
VR2
OUT DUTY
HD SDI OUT1
Q1(2)
AMP
J2
HD SDI OUT2
Q2<2>
AMP
J3
IC2
BUF
HD SDI TX MODULE 1
FROM SYSCON
P6001
P1
CHARACTER SIN
CHARACTER SCLK
IC511<10>
CHAR GEN
SIN
SCLK
CHAR DATA
CHAR GATE
H SYNC
V SYNC
CHAR CLK
HD MONI DATA C
HD MONI DATA Y
A
G
B
C
D
E
F

SDI (2/2) BLOCK DIAGRAM

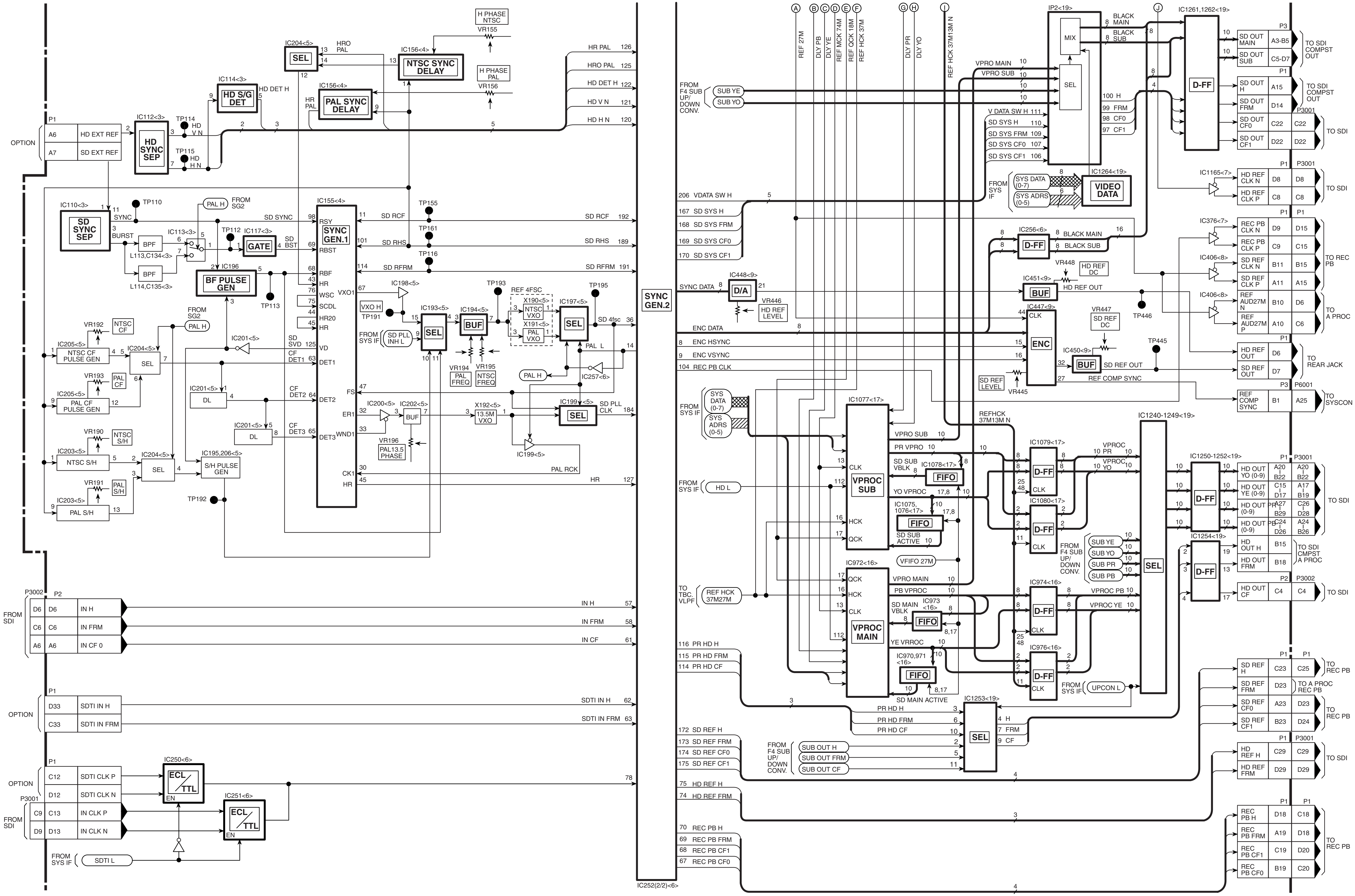


A
G
B
C
D
E
F
HD MONI DATA C
HD MONI DATA Y
IC581-583<11>
BUF
P580
J6
10 HD ENC2 Y
10 HD ENC2 C
SYS DATA 8
SYS ADRS 10
A7-A16
B7-B16
B32-B39
A32-A40 B40
IC1<1>
HD ENCODER
CLK
DY 10
DC 10
IC3<1>
P to S
CLK
IC13<1>
DRIVE
Q6<2>
AMP
HD SDI OUT3
J2
VR2
OUT DUTY
ICK74
70
23
HD OUT AUD12
HD OUT AUD34
HD OUT AUD56
HD OUT AUD78
128FS IN
HD
FRM
HD CLK
B23
B24
A23
A24
A27
A17
B17
B21
IC2
BUF
HD SDI TX MODULE 2
P2
A10 A10 HD OUT AUD12
C10 B10 HD OUT AUD34
A11 A11 HD OUT AUD56
B11 B11 HD OUT AUD78
A12 A12 HD OUT FS128
FROM A PROC
IC580<11>
BUF
P420 H
FROM SYS IF
IC694<12>
BUF
OUT CLK 1-8
CLK27
FROM SD OUT CLK IN
IC687<12>
IC691<12>
BUF
X685<12>
36M OSC
TP694
IC695<12>
IC690<12>
TP686
FROM SYS IF
FC MODE(0-3)
FC DB(0-3)
FC ADRS(0-3)
P3
A3-B5 SD MAIN DATA(0-9)
C5-D7 SD SUB DATA(0-9)
FROM V PROC CMPST OUT
IC725-727<13>
D-FF
IC728<13>
P420 H
NTSC L
FORMAT CONV.
ACLK
FROM SYS IF
SYS DATA(0-7)
SYS ADRS(0-3)
IP852<15>
CLK36
92 H WINDOW
91 PLL FH
P1
C16 SD OUT H
B16 SD OUT FRM
D11 B9 SD OUT CLK N
C11 A9 SD OUT CLK P
FROM V PROC CMPST OUT
FROM V PROC
IC730<13>
D-FF
SD H
SD FRM
TP725
TP726
SD CHAR GEN
To SYS IF
CLK27
IC12,15<2>
BUF
SD ENC DATA
IC830<14>
OUT CLK2
NTSC L
VCLK
SD ENCODER
IC780<14>
BUF
SD OUT AUD12
SD OUT AUD34
SD OUT FS128
ENC DATA
IC853,854<15>
FIFO
OUT CLK5
WCK
RCK
ENC DATA BUS
DELAY
MAIN DATA
SUPER ADD
OUT CLK3
NTSC L
P420 H
PKT DATA
PKT INS
IC893<16>
SD P to S
D891
P2S1 LOCK
S OUT 1
J890
S OUT 2
J891
P2S2 LOCK
D890
IC891<16>
EDH GEN
SD MONI DATA
OUT CLK4
MONI EDH
OUT CLK8
IC892<16>
SD P to S
S OUT 3
J892
SD FRM
SD H
CLK
OUT CLK2
IC851<15>
CHAR GEN
SIN
SCLK
CHAR DATA
CHAR GATE
H SYNC
V SYNC
CHAR CLK
P2
A6 A8 SD OUT AUD12
C6 B8 SD OUT AUD34
A7 B7 SD OUT FS128
FROM A PROC

V_PROC (1/2) BLOCK DIAGRAM

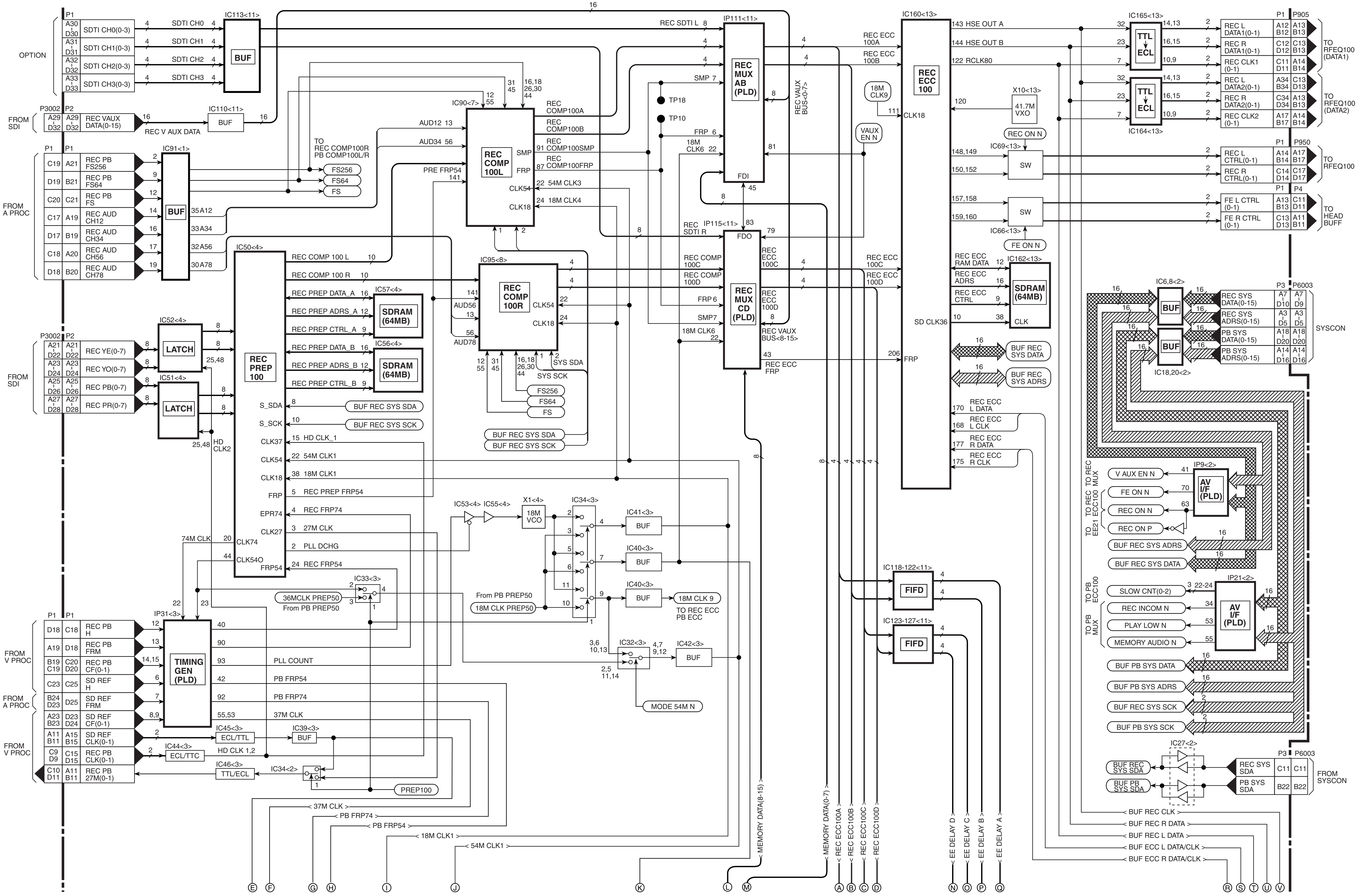

FROM REC PB
P2 P2
A13 D14 C12-B14 PB YO(0-7)
A11 D12 A10-D11 PB YE(0-7)
A15 D16 A15-D16 PB PB(0-7)
A17 D18 C17-B19 PB PR(0-7)
IC511<10> D-FF
IC512<10> D-FF
IC610<10> WCK TBC (FIFO) RCK
IC611<10> WCK TBC (FIFO) RCK
IC612<10> WCK TBC (FIFO) RCK
IC613<10> WCK TBC (FIFO) RCK
IC614<10> WCK TBC (FIFO) RCK
TBC YO
TBC YE
TBC PB
TBC PR
TBC SLOW CTRL
FROM REC PB
P2
B19 D19 B21-D21 SLOW CTRL (0-3)
FROM REC PB
P1 P1
C16 D16 A12.B12 SW CLK PIN
IC514<10>
IC630<11>
SLOW CTRL
CLK
SLOW YO
SLOW YE
SLOW PB
SLOW PR
CNO1
127 VLP HD
126 VLP VD
62 FRM UNMATCH
211
SDQ1
SDQ2
SDQ3
SDQ4
14 SADD1
IC680<12> SLOW MEM (SDRAM)
IC681<12> SLOW MEM (SDRAM)
IC683<12> SLOW MEM (SDRAM)
IC684<12> SLOW MEM (SDRAM)
REF CK 37M27M
FROM SG2
HD L
HD L
TO VPROC MAIN/SUB
IC696<13> VLPF
IC695<13> VLPF
CLK
SYS DATA(0-7)
SYS ADRS(0-5)
FROM SYS IF
IC700,701<13> SEL
IC702,703<13> SEL
REF HCK37M13M
IC905<14>
DELAY CTRL
REF CK 37M 27M
FROM SYS IF
VLP PR
VLP PB
VLP YE
VLP YO
DLY PR
DLY PB
DLY YE
DLY YO
DQ1 ADD1 DQ3 DQ2 ADD2 DQ4
SDRAM IC955<15>
SDRAM IC958<15>
SDRAM IC956<15>
SDRAM IC957<15>
IC697-699<13>
D-FF
DWN YE
DWN YO
DWN PR
DWN PB
TO F4 SUB UP/DOWN CONV.
FROM SYS IF
VCXO L
HD59 L
HD60 L
HD PLL INH L
TP368
TP367
X366<7> HD60
X365<7> HD59
IC372<7> SW
IC374<7> SW
IC370 <7>
IC367 <7>
IC371 <7>
IC368 <7>
TP366
TP365
VR365 HD FREQ 60
VR366 HD FREQ 59
IC252(1/2)<6>
HD PLL REF
HD PLL WIND
SYNC GEN.2
PAL H
150 SYS PLL REF
149 SYS PLL WIND
148 SD PLL REF
147 SD PLL WIND
TP400
TP402
TP401
TP403
IC410<8>
IC410<8>
IC409<8> BUF
IC409<8> BUF
X401<8> SYS 27M
X402<8> REF 27M
IC411<8> SW
IC405<8> SW
VCXO L
VR400 SD REF PHASE
FROM SYS IF
HD OFF H
MCK OFF H
TO TBC & SLOW CTRL
REF CK 37M 27M
IC978 <16> SW
IC977<16> SW
IC975<16> D-FF
IC975<16> D-FF
97 HCK 37M13M
99 QCK 18M6M
MCK 74M 27M
183 SYS 27M
182 REF 27M
NT V PHASE
VR401<8>
IC403 <8>
VR402<8>
PAL V PHASE
IC401<8> D/A
BUFF
SYSCON
P6003 P3
A14 B17 A14-D15 AV DATA (0-7)
A3 C6 A10-D13 AV ADRS (0-15)
IC47<2>
SYS IF (PIO)
131-139 SYS SC DATA
117 VCXO L
107 HD 59 L
HD 60 L
IC48<2>
111 HD PLL INH L
D46<2>
TO HD PLL (SG2)
79 SD PLL INH L
D45<2>
TO 4FSC PLL (SG1)
110 OUT REF CONT 0
109 OUT REF CONT 1
D47<2>
D48<2>
112 OUT FRM CONT 0
113 OUT FRM CONT 1
TO V PROC MAIN
HD OFF H
MCK OFF H
TO VLPF V_PROC MAIN/SUB VIDEO DATA UP/DOWN CONV.
SYS DATA(0-7)
SYS ADRS(0-15)
TO V_PROC
UP CON L
TO SGEN
SDTI L
TO V_PROC MAIN/SUB
V FIFO 27M
OUTPUT 27M
TO F4 SUB UP/DOWN CONV.
REF 27M
DLY PB
DLY YE
REF MCK 74M
REF QCK 18M
REF HCK 37M
DLY PR
DLY YO
REF HCK 37M13M N
A B C D E F G H I J

V_PROC (2/2) BLOCK DIAGRAM

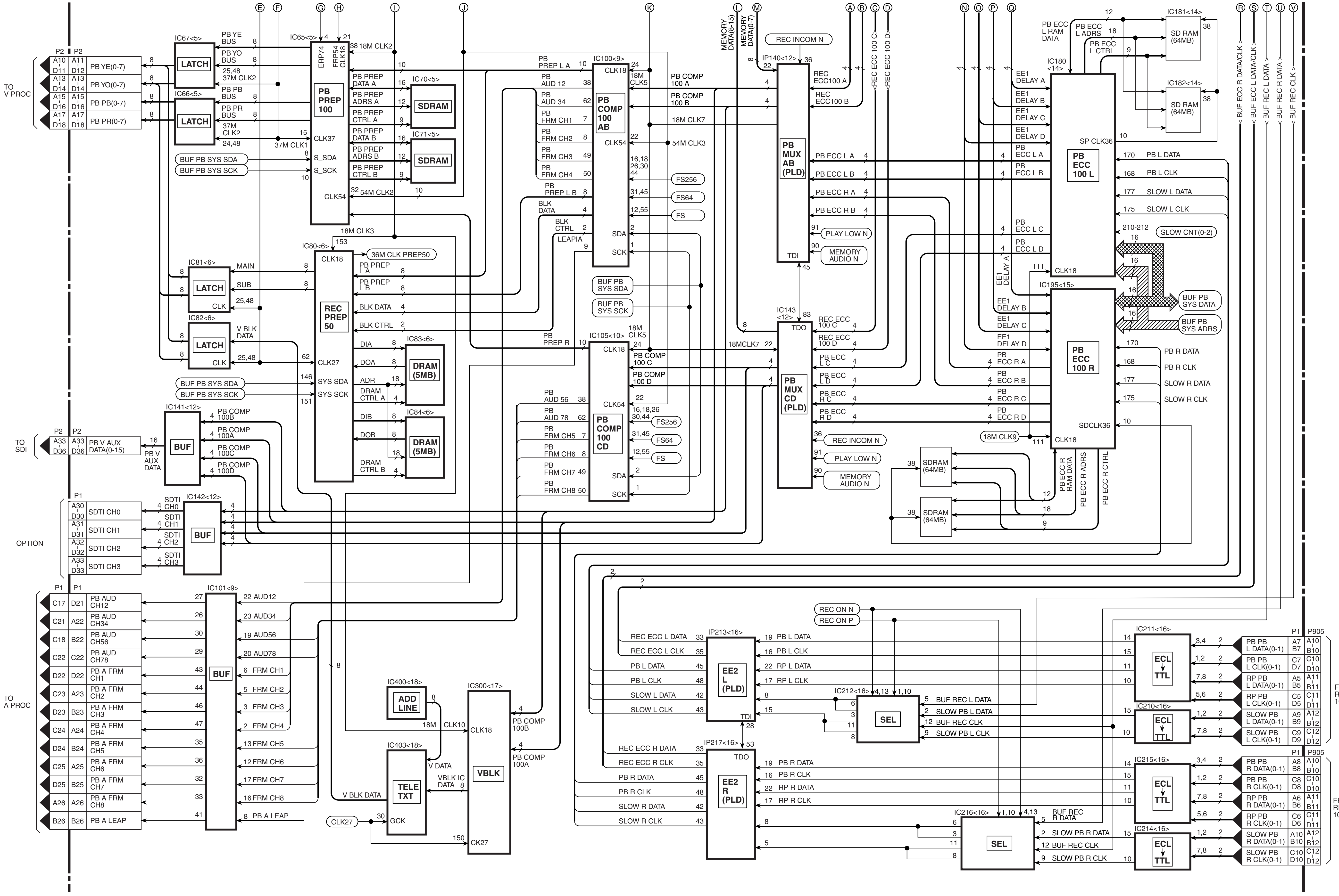


OPTION
P1
A6 HD EXT REF
A7 SD EXT REF
IC112<3>
HD SYNC SEP
TP114 HD V N
TP115 HD H N
IC114<3>
HD S/G DET
HD DET H
IC204<5>
SEL
HRO PAL
IC156<4>
NTSC SYNC DELAY
PAL SYNC DELAY
HR PAL
H PHASE NTSC
VR155
H PHASE PAL
VR156
HR PAL 126
HRO PAL 125
HD DET H 122
HD V N 121
HD H N 120
IC110<3>
SD SYNC SEP
SYNC
BURST
TP110
PAL H
FROM SG2
IC113<3>
BPF
L113,C134<3>
L114,C135<3>
TP112
IC117<3>
GATE
SD BST
IC196
BF PULSE GEN
TP113
IC155<4>
SYNC GEN.1
RSY
RBST
RBF
HR
WSC
SCDL
HR20
VD
DET1
DET2
DET3
ER1
WND1
CK1
FS
VXO1
SD SYNC
SD RCF
SD RHS
SD RFRM
SD RCF 192
SD RHS 189
SD RFRM 191
TP155
TP161
TP116
IC198<5>
VXO H
TP191
FROM SYS IF
SD PLL INH L
IC193<5>
SEL
IC194<5>
BUF
TP193
REF 4FSC
X190<5>
NTSC VXO
X191<5>
PAL VXO
IC197<5>
SEL
TP195
SD 4fsc 36
PAL L
14
IC257<6>
PAL H
VR194 PAL FREQ
VR195 NTSC FREQ
IC199<5>
SEL
SD PLL CLK 184
IC200<5>
IC202<5>
BUF
X192<5>
13.5M VXO
VR196 PAL13.5 PHASE
PAL RCK
HR 127
VR192 NTSC CF
IC205<5>
NTSC CF PULSE GEN
IC204<5>
SEL
VR193 PAL CF
PAL CF PULSE GEN
IC201<5>
DL
VR190 NTSC S/H
IC203<5>
NTSC S/H
VR191 PAL S/H
PAL S/H
IC195,206<5>
S/H PULSE GEN
TP192
FROM SG2
PAL H
P3002
P2
FROM SDI
D6 D6 IN H
C6 C6 IN FRM
A6 A6 IN CF 0
IN H 57
IN FRM 58
IN CF 61
OPTION
P1
D33 SDTI IN H
C33 SDTI IN FRM
SDTI IN H 62
SDTI IN FRM 63
OPTION
C12 SDTI CLK P
D12 SDTI CLK N
IC250<6>
ECL/TTL
EN
78
P3001
C9 C13 IN CLK P
D9 D13 IN CLK N
IC251<6>
ECL/TTL
FROM SYS IF
SDTI L
SYNC GEN.2
IC252(2/2)<6>
A B C D E F G H I J
REF 27M
DLY PB
DLY YE
REF MCK 74M
REF QCK 18M
REF HCK 37M
DLY PR
DLY YO
REF HCK 37M13M N
FROM F4 SUB UP/DOWN CONV.
SUB YE
SUB YO
206 VDATA SW H
167 SD SYS H
168 SD SYS FRM
169 SD SYS CF0
170 SD SYS CF1
SYNC DATA
IC448<9>
D/A
VR446 HD REF LEVEL
ENC DATA
8 ENC HSYNC
9 ENC VSYNC
104 REC PB CLK
IP2<19>
MIX
SEL
VPRO MAIN
VPRO SUB
V DATA SW H 111
SD SYS H 110
SD SYS FRM 109
SD SYS CF0 107
SD SYS CF1 106
BLACK MAIN
BLACK SUB
100 H
99 FRM
98 CF0
97 CF1
FROM SYS IF
SYS DATA (0-7)
SYS ADRS (0-5)
IC1264<19>
VIDEO DATA
IC1261,1262<19>
D-FF
P3
SD OUT MAIN A3-B5
SD OUT SUB C5-D7
TO SDI COMPST OUT
P1
SD OUT H A15
SD OUT FRM D14
TO SDI COMPST OUT
P3001
SD OUT CF0 C22 C22
SD OUT CF1 D22 D22
TO SDI
IC1165<7>
HD REF CLK N D8 D8
HD REF CLK P C8 C8
TO SDI
IC256<6>
D-FF
BLACK MAIN
BLACK SUB
VR448
HD REF DC
IC451<9>
BUF
HD REF OUT
TP446
IC447<9>
ENC
CLK
VR447
SD REF DC
IC450<9>
BUF
SD REF OUT
TP445
SD REF LEVEL
VR445
REF COMP SYNC
IC376<7>
REC PB CLK N D9 D15
REC PB CLK P C9 C15
TO REC PB
IC406<8>
SD REF CLK N B11 B15
SD REF CLK P A11 A15
REF AUD27M N B10 D6
REF AUD27M P A10 C6
TO A PROC
HD REF OUT D6
SD REF OUT D7
TO REAR JACK
P3 P6001
REF COMP SYNC B1 A25
TO SYSCON
FROM SYS IF
SYS DATA (0-7)
SYS ADRS (0-5)
IC1077<17>
VPROC SUB
CLK
HCK
QCK
VPRO SUB
PR VPRO
SD SUB VBLK
IC1078<17>
FIFO
YO VPROC
IC1075, 1076<17>
FIFO
SD SUB ACTIVE
REFHCK 37M13M N
IC1079<17>
D-FF
IC1080<17>
D-FF
VPROC PR
VPROC YO
FROM SYS IF
HD L
IC1240-1249<19>
SEL
IC1250-1252<19>
D-FF
HD OUT YO (0-9) A20 B22
HD OUT YE (0-9) C15 D17 A17 B19
HD OUT PR (0-9) A27 B29 C26 D28
HD OUT PB (0-9) C24 D26 A24 B26
TO SDI
IC1254<19>
D-FF
HD OUT H B15
HD OUT FRM B18
TO SDI CMPST A PROC
P2 P3002
HD OUT CF C4 C4
TO SDI
FROM F4 SUB UP/DOWN CONV.
SUB YE
SUB YO
SUB PR
SUB PB
VFIFO 27M
IC972<16>
VPROC MAIN
QCK
HCK
CLK
VPRO MAIN
PB VPROC
SD MAIN VBLK
IC973<16>
FIFO
YE VRROC
IC970,971<16>
FIFO
SD MAIN ACTIVE
IC974<16>
D-FF
IC976<16>
D-FF
VPROC PB
VPROC YE
FROM SYS IF
UPCON L
TO TBC. VLPF
REF HCK 37M27M
116 PR HD H
115 PR HD FRM
114 PR HD CF
IC1253<19>
SEL
PR HD H
PR HD FRM
PR HD CF
4 H
7 FRM
9 CF
172 SD REF H
173 SD REF FRM
174 SD REF CF0
175 SD REF CF1
FROM F4 SUB UP/DOWN CONV.
SUB OUT H
SUB OUT FRM
SUB OUT CF
SD REF H C23 C25
SD REF FRM D23
SD REF CF0 A23 D23
SD REF CF1 B23 D24
TO REC PB
TO A PROC REC PB
TO REC PB
75 HD REF H
74 HD REF FRM
HD REF H C29 C29
HD REF FRM D29 D29
TO SDI
70 REC PB H
69 REC PB FRM
68 REC PB CF1
67 REC PB CF0
REC PB H D18 C18
REC PB FRM A19 D18
REC PB CF1 C19 D20
REC PB CF0 B19 C20
TO REC PB

REC PB (1/2) BLOCK DIAGRAM

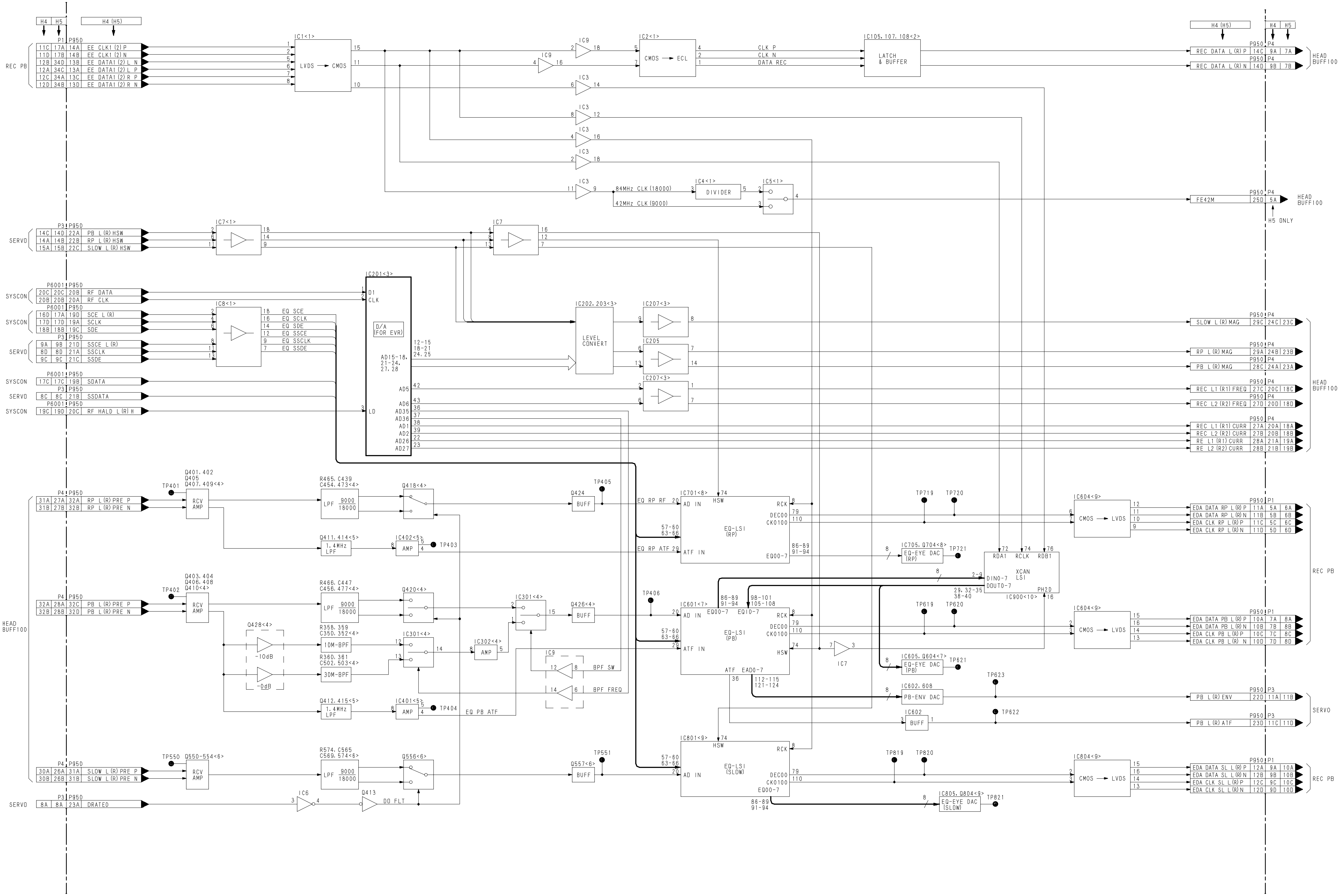

OPTION
P1
SDTI CH0(0-3)
SDTI CH1(0-3)
SDTI CH2(0-3)
SDTI CH3(0-3)
SDTI CH0
SDTI CH1
SDTI CH2
SDTI CH3
IC113<11>
BUF
FROM SDI
P3002
P2
REC VAUX DATA(0-15)
REC V AUX DATA
IC110<11>
BUF
FROM A PROC
REC PB FS256
REC PB FS64
REC PB FS
REC AUD CH12
REC AUD CH34
REC AUD CH56
REC AUD CH78
IC91<1>
BUF
35A12
33A34
32A56
30A78
TO REC COMP100R PB COMP100L/R
FS256
FS64
FS
AUD12 13
AUD34 56
PRE FRP54 141
IC90<7>
REC COMP 100L
SMP
FRP
CLK54
CLK18
REC COMP100A
REC COMP100B
REC 91 COMP100SMP
REC 87 COMP100FRP
22 54M CLK3
24 18M CLK4
REC SDTI L 8
IP111<11>
REC MUX AB (PLD)
SMP 7
FRP 6
18M CLK6 22
FDI
TP18
TP10
REC VAUX BUS<0-7>
REC SDTI R
IP115<11>
FDO
REC MUX CD (PLD)
REC COMP 100C
REC COMP 100D
FRP 6
SMP7
18M CLK6 22
REC ECC 100C
REC ECC 100D
REC VAUX BUS<8-15>
REC ECC FRP
IC50<4>
REC PREP 100
REC COMP 100 L
REC COMP 100 R
REC PREP DATA_A
REC PREP ADRS_A
REC PREP CTRL_A
REC PREP DATA_B
REC PREP ADRS_B
REC PREP CTRL_B
IC57<4>
SDRAM (64MB)
IC56<4>
SDRAM (64MB)
S_SDA
S_SCK
CLK37
CLK54
CLK18
FRP
EPR74
CLK27
CLK74
CLK54O
FRP54
BUF REC SYS SDA
BUF REC SYS SCK
15 HD CLK_1
22 54M CLK1
38 18M CLK1
5 REC PREP FRP54
4 REC FRP74
3 27M CLK
2 PLL DCHG
24 REC FRP54
IC95<8>
REC COMP 100R
CLK54
CLK18
AUD56
AUD78
SYS SDA
SYS SCK
FS256
FS64
FS
BUF REC SYS SDA
BUF REC SYS SCK
IC52<4>
LATCH
IC51<4>
LATCH
REC YE(0-7)
REC YO(0-7)
REC PB(0-7)
REC PR(0-7)
HD CLK2
74M CLK
IC160<13>
REC ECC 100
143 HSE OUT A
144 HSE OUT B
122 RCLK80
CLK18
18M CLK9
VAUX EN N
REC ON N
X10<13>
41.7M VXO
REC ECC 100A
REC ECC 100B
REC ECC 100C
REC ECC 100D
SD CLK36
FRP
REC ECC RAM DATA
REC ECC ADRS
REC ECC CTRL
IC162<13>
SDRAM (64MB)
CLK
BUF REC SYS DATA
BUF REC SYS ADRS
REC ECC L DATA
REC ECC L CLK
REC ECC R DATA
REC ECC R CLK
IC69<13>
SW
IC66<13>
SW
FE ON N
IC165<13>
TTL ECL
IC164<13>
TTL ECL
REC L DATA1(0-1)
REC R DATA1(0-1)
REC CLK1 (0-1)
REC L DATA2(0-1)
REC R DATA2(0-1)
REC CLK2 (0-1)
P905
TO RFEQ100 (DATA1)
TO RFEQ100 (DATA2)
P950
REC L CTRL(0-1)
REC R CTRL(0-1)
TO RFEQ100
P4
FE L CTRL (0-1)
FE R CTRL (0-1)
TO HEAD BUFF
IC6,8<2>
BUF
IC18,20<2>
BUF
P3
P6003
REC SYS DATA(0-15)
REC SYS ADRS(0-15)
PB SYS DATA(0-15)
PB SYS ADRS(0-15)
SYSCON
IP9<2>
AV I/F (PLD)
V AUX EN N
FE ON N
REC ON N
REC ON P
TO REC MUX
TO REC ECC100
TO EE21
BUF REC SYS ADRS
BUF REC SYS DATA
IP21<2>
AV I/F (PLD)
SLOW CNT(0-2)
REC INCOM N
PLAY LOW N
MEMORY AUDIO N
TO PB ECC100
TO PB MUX
BUF PB SYS DATA
BUF PB SYS ADRS
BUF REC SYS SCK
BUF PB SYS SCK
IC27<2>
BUF REC SYS SDA
BUF PB SYS SDA
REC SYS SDA
PB SYS SDA
FROM SYSCON
IC118-122<11>
FIFD
IC123-127<11>
FIFD
IC53<4>
IC55<4>
X1<4>
18M VCO
IC34<3>
IC41<3>
BUF
IC40<3>
BUF
IC40<3>
BUF
18M CLK 9
TO REC ECC PB ECC
From PB PREP50
18M CLK PREP50
IC33<3>
36MCLK PREP50
From PB PREP50
IC32<3>
IC42<3>
BUF
MODE 54M N
FROM V PROC
REC PB H
REC PB FRM
REC PB CF(0-1)
SD REF H
SD REF FRM
SD REF CF(0-1)
SD REF CLK(0-1)
REC PB CLK(0-1)
REC PB 27M(0-1)
IP31<3>
TIMING GEN (PLD)
PLL COUNT
PB FRP54
PB FRP74
37M CLK
IC45<3>
ECL/TTL
IC39<3>
BUF
IC44<3>
ECL/TTC
HD CLK 1,2
IC46<3>
TTL/ECL
IC34<2>
PREP100
37M CLK
PB FRP74
PB FRP54
18M CLK1
54M CLK1
MEMORY DATA(8-15)
MEMORY DATA(0-7)
REC ECC100A
REC ECC100B
REC ECC100C
REC ECC100D
EE DELAY D
EE DELAY C
EE DELAY B
EE DELAY A
BUF REC CLK
BUF REC R DATA
BUF REC L DATA
BUF ECC L DATA/CLK
BUF ECC R DATA/CLK
E
F
G
H
I
J
K
L
M
A
B
C
D
N
O
P
Q
R
S
T
U
V

REC PB (2/2) BLOCK DIAGRAM



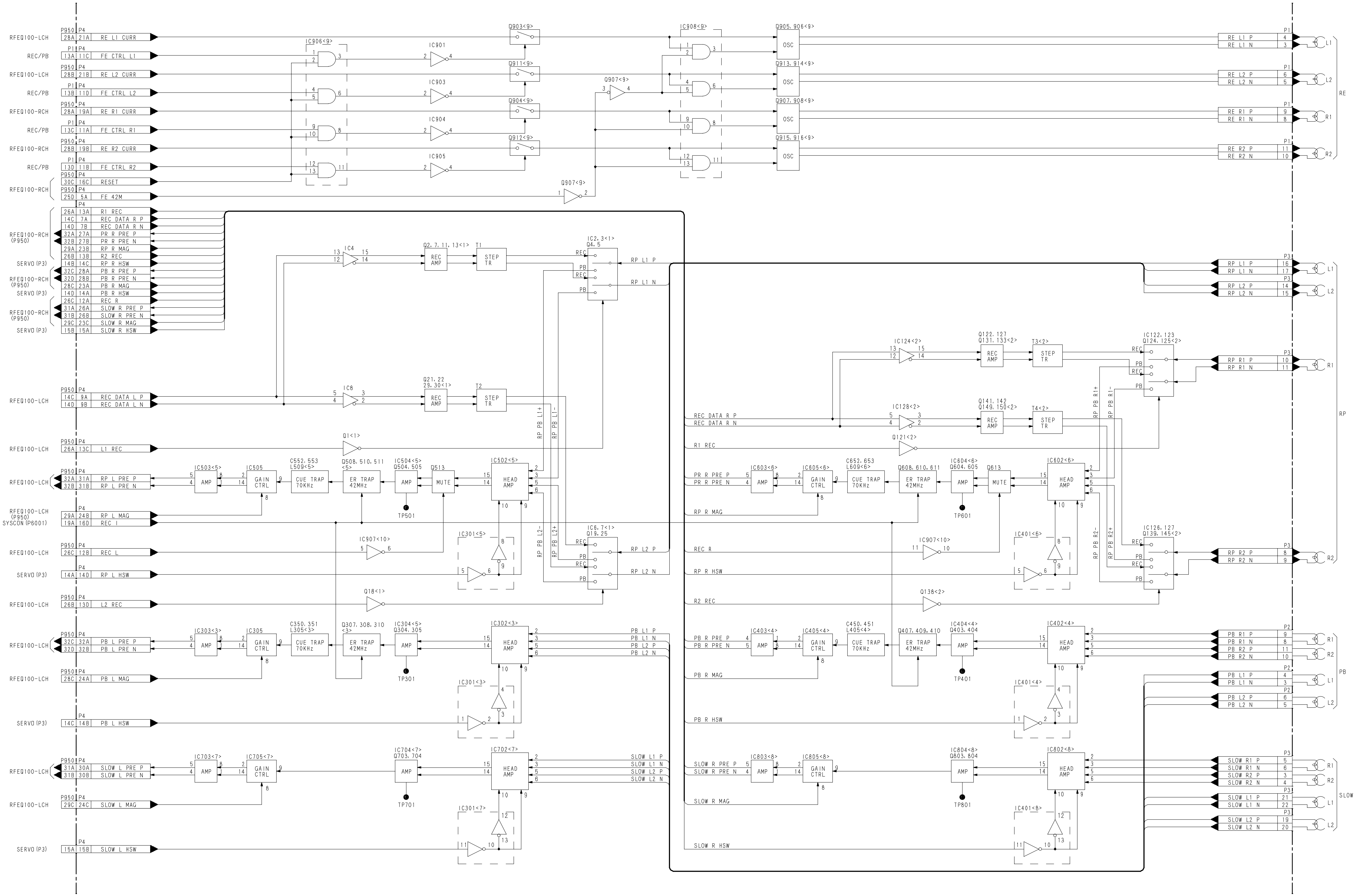
TO V PROC
P2
PB YE(0-7)
PB YO(0-7)
PB PB(0-7)
PB PR(0-7)
IC67<5>
LATCH
IC66<5>
LATCH
PB YE BUS
PB YO BUS
PB PB BUS
PB PR BUS
25,48
37M CLK2
37M CLK2
24,48
37M CLK1
BUF PB SYS SDA
BUF PB SYS SCK
IC65<5>
ERP74
ERP54 CLK18
PB PREP 100
CLK37
S_SDA
S_SCK
CLK54
38 18M CLK2
PB PREP DATA A
PB PREP ADRS A
PB PREP CTRL A
PB PREP DATA B
PB PREP ADRS B
PB PREP CTRL B
54M CLK2
IC70<5>
SDRAM
IC71<5>
SDRAM
18M CLK3
IC100<9>
PB COMP 100 AB
CLK18
CLK54
SDA
SCK
PB PREP L A
PB AUD 12
PB AUD 34
PB FRM CH1
PB FRM CH2
PB FRM CH3
PB FRM CH4
PB PREP L B
BLK DATA
BLK CTRL
LEAPIA
18M CLK5
PB COMP 100 A
PB COMP 100 B
18M CLK7
54M CLK3
FS256
FS64
FS
BUF PB SYS SDA
BUF PB SYS SCK
IC81<6>
LATCH
MAIN
SUB
CLK
IC82<6>
LATCH
V BLK DATA
CLK
IC80<6>
CLK18
REC PREP 50
CLK27
SYS SDA
SYS SCK
36M CLK PREP50
PB PREP L A
PB PREP L B
BLK DATA
BLK CTRL
DIA
DOA
ADR
DRAM CTRL A
DIB
DOB
DRAM CTRL B
IC83<6>
DRAM (5MB)
IC84<6>
DRAM (5MB)
BUF PB SYS SDA
BUF PB SYS SCK
IC105<10>
PB COMP 100 CD
CLK18
CLK54
SDA
SCK
PB PREP R
PB AUD 56
PB AUD 78
PB FRM CH5
PB FRM CH6
PB FRM CH7
PB FRM CH8
PB COMP 100 C
PB COMP 100 D
FS256
FS64
FS
TO SDI
PB V AUX DATA(0-15)
IC141<12>
BUF
PB V AUX DATA
PB COMP 100B
PB COMP 100A
PB COMP 100C
PB COMP 100D
OPTION
P1
SDTI CH0
SDTI CH1
SDTI CH2
SDTI CH3
IC142<12>
BUF
TO A PROC
PB AUD CH12
PB AUD CH34
PB AUD CH56
PB AUD CH78
PB A FRM CH1
PB A FRM CH2
PB A FRM CH3
PB A FRM CH4
PB A FRM CH5
PB A FRM CH6
PB A FRM CH7
PB A FRM CH8
PB A LEAP
IC101<9>
BUF
22 AUD12
23 AUD34
19 AUD56
20 AUD78
6 FRM CH1
5 FRM CH2
3 FRM CH3
2 FRM CH4
13 FRM CH5
12 FRM CH6
17 FRM CH7
16 FRM CH8
8 PB A LEAP
IC400<18>
ADD LINE
IC403<18>
TELE TXT
V DATA
VBLK IC DATA
GCK
V BLK DATA
CLK27
18M
CLK10
IC300<17>
VBLK
CLK18
CK27
PB COMP 100B
PB COMP 100A
MEMORY DATA(8-15)
MEMORY DATA(0-7)
REC INCOM N
IP140<12>
PB MUX AB (PLD)
TDI
REC ECC100 A
REC ECC100 B
PB ECC L A
PB ECC L B
PB ECC R A
PB ECC R B
PLAY LOW N
MEMORY AUDIO N
REC ECC 100 C
REC ECC 100 D
IC143<12>
PB MUX CD (PLD)
TDO
18MCLK7
REC ECC 100 C
REC ECC 100 D
PB ECC L C
PB ECC L D
PB ECC R C
PB ECC R D
REC INCOM N
PLAY LOW N
MEMORY AUDIO N
PB ECC L RAM DATA
PB ECC L ADRS
PB ECC L CTRL
IC181<14>
SD RAM (64MB)
IC182<14>
SD RAM (64MB)
IC180<14>
PB ECC 100 L
EE1 DELAY A
EE1 DELAY B
EE1 DELAY C
EE1 DELAY D
PB ECC L A
PB ECC L B
PB ECC L C
PB ECC L D
SP CLK36
CLK18
PB L DATA
PB L CLK
SLOW L DATA
SLOW L CLK
SLOW CNT(0-2)
BUF PB SYS DATA
BUF PB SYS ADRS
IC195<15>
PB ECC 100 R
EE1 DELAY A
EE1 DELAY B
EE1 DELAY C
EE1 DELAY D
PB ECC R A
PB ECC R B
PB ECC R C
PB ECC R D
SDCLK36
CLK18
18M CLK9
PB R DATA
PB R CLK
SLOW R DATA
SLOW R CLK
SDRAM (64MB)
SDRAM (64MB)
PB ECC R RAM DATA
PB ECC R ADRS
PB ECC R CTRL
BUF ECC R DATA/CLK
BUF ECC L DATA/CLK
BUF REC L DATA
BUF REC R DATA
BUF REC CLK
REC ON N
REC ON P
IP213<16>
EE2 L (PLD)
TDI
REC ECC L DATA
REC ECC L CLK
PB L DATA
PB L CLK
SLOW L DATA
SLOW L CLK
19 PB L DATA
16 PB L CLK
22 RP L DATA
17 RP L CLK
IC212<16>
SEL
5 BUF REC L DATA
2 SLOW PB L DATA
12 BUF REC CLK
9 SLOW PB L CLK
IP217<16>
EE2 R (PLD)
TDO
REC ECC R DATA
REC ECC R CLK
PB R DATA
PB R CLK
SLOW R DATA
SLOW R CLK
19 PB R DATA
16 PB R CLK
22 RP R DATA
17 RP R CLK
IC216<16>
SEL
BUF REC R DATA
2 SLOW PB R DATA
12 BUF REC CLK
9 SLOW PB R CLK
IC211<16>
ECL TTL
IC210<16>
ECL TTL
IC215<16>
ECL TTL
IC214<16>
ECL TTL
P1
P905
PB PB L DATA(0-1)
PB PB L CLK(0-1)
RP PB L DATA(0-1)
RP PB L CLK(0-1)
SLOW PB L DATA(0-1)
SLOW PB L CLK(0-1)
FROM RFEQ 100 (L)
PB PB R DATA(0-1)
PB PB R CLK(0-1)
RP PB R DATA(0-1)
RP PB R CLK(0-1)
SLOW PB R DATA(0-1)
SLOW PB R CLK(0-1)
FROM RFEQ 100 (R)
E
F
G
H
I
J
K
L
M
A
B
C
D
N
O
P
Q
R
S
T
U
V

RF EQ 100 BLOCK DIAGRAM

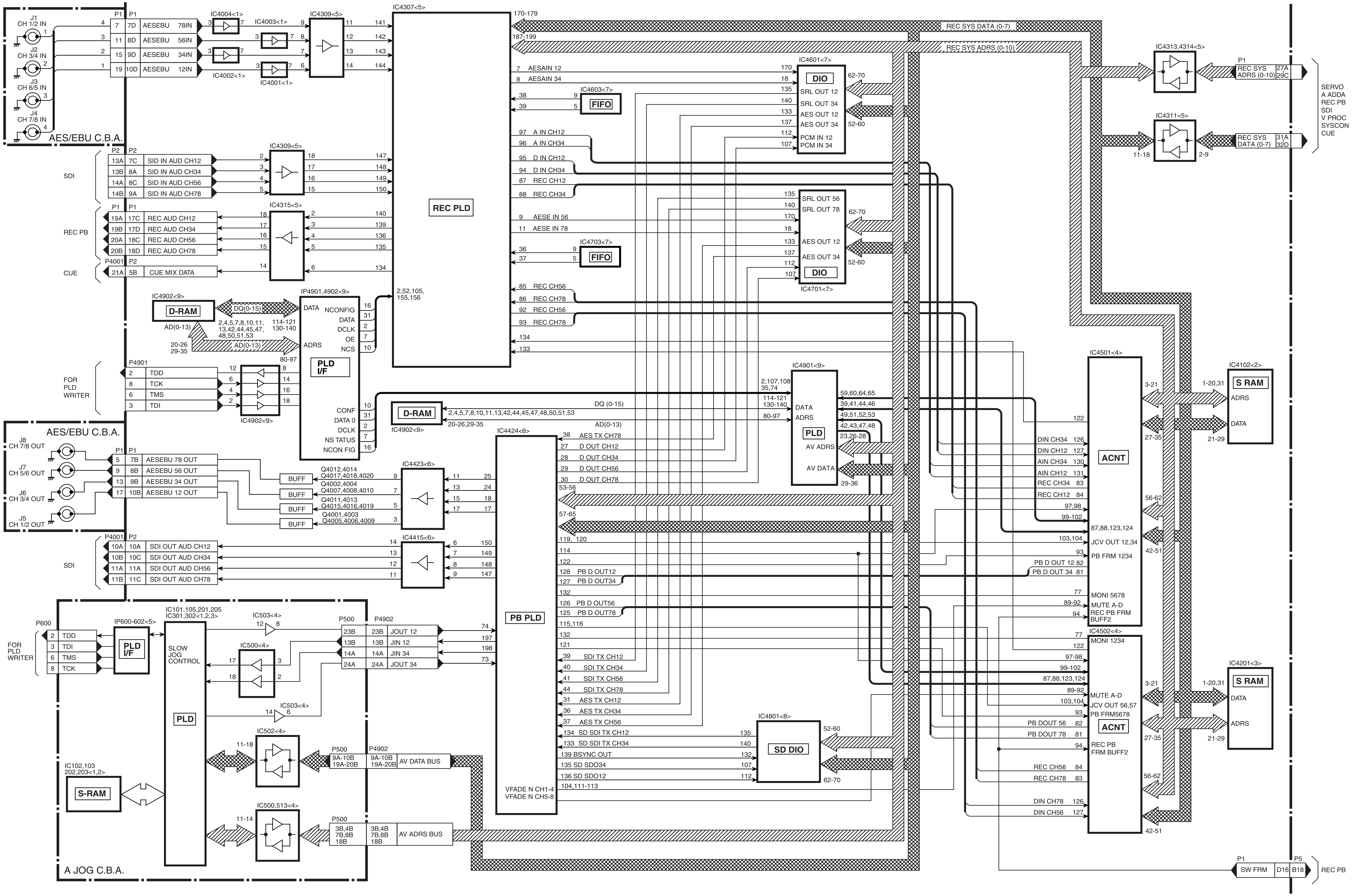


H4
H5
H4 (H5)
REC PB
P1
P950
EE CLK1 (2) P
EE CLK1 (2) N
EE DATA1 (2) L N
EE DATA1 (2) L P
EE DATA1 (2) R P
EE DATA1 (2) R N
IC1<1>
LVDS → CMOS
IC9
IC2<1>
CMOS → ECL
CLK P
CLK N
DATA REC
IC105, 107, 108<2>
LATCH & BUFFER
REC DATA L (R) P
REC DATA L (R) N
HEAD BUFF100
IC3
IC4<1>
DIVIDER
IC5<1>
84MHz CLK (18000)
42MHz CLK (9000)
FE42M
H5 ONLY
SERVO
P3
PB L (R) HSW
RP L (R) HSW
SLOW L (R) HSW
IC7<1>
IC7
SYSCON
P6001
RF DATA
RF CLK
IC201<3>
D1
CLK
D/A (FOR EVR)
AD15-18, 21-24, 24, 25
AD5
AD6
AD35
AD36
AD1
AD2
AD26
AD27
LD
IC8<1>
SCE L (R)
SCLK
SDE
SSCE L (R)
SSCLK
SSDE
EQ SCE
EQ SCLK
EQ SDE
EQ SSCE
EQ SSCLK
EQ SSDE
SDATA
SSDATA
RF HALD L (R) H
IC202, 203<3>
LEVEL CONVERT
IC207<3>
IC205
SLOW L (R) MAG
RP L (R) MAG
PB L (R) MAG
REC L1 (R1) FREQ
REC L2 (R2) FREQ
REC L1 (R1) CURR
REC L2 (R2) CURR
RE L1 (R1) CURR
RE L2 (R2) CURR
P4
RP L (R) PRE P
RP L (R) PRE N
TP401
Q401, 402
Q405
Q407, 409<4>
RCV AMP
R465, C439
C454, 473<4>
LPF
9000
18000
Q418<4>
Q424
BUFF
TP405
EQ RP RF
IC701<8>
AD IN
HSW
RCK
DEC00
CK0100
EQ-LSI (RP)
ATF IN
EQ00-7
Q411, 414<5>
1.4MHz LPF
IC402<5>
AMP
TP403
EQ RP ATF
TP719
TP720
IC705, Q704<8>
EQ-EYE DAC (RP)
TP721
IC604<9>
CMOS → LVDS
EDA DATA RP L (R) P
EDA DATA RP L (R) N
EDA CLK RP L (R) P
EDA CLK RP L (R) N
IC900<10>
XCAN LSI
RDA1
RCLK
RDB1
DIN0-7
DOUT0-7
PH2D
HEAD BUFF100
PB L (R) PRE P
PB L (R) PRE N
TP402
Q403, 404
Q406, 408
Q410<4>
R466, C447
C456, 477<4>
Q420<4>
IC301<4>
Q426<4>
TP406
Q428<4>
-10dB
-0dB
R358, 359
C350, 352<4>
10M-BPF
R360, 361
C502, 503<4>
30M-BPF
IC302<4>
IC9
BPF SW
BPF FREQ
Q412, 415<5>
IC401<5>
TP404
EQ PB ATF
IC601<7>
EQ-LSI (PB)
EQ00-7
EQ10-7
ATF EAD0-7
TP619
TP620
IC605, Q604<7>
EQ-EYE DAC (PB)
TP621
TP623
IC602, 608
PB-ENV DAC
PB L (R) ENV
IC602
TP622
PB L (R) ATF
EDA DATA PB L (R) P
EDA DATA PB L (R) N
EDA CLK PB L (R) P
EDA CLK PB L (R) N
SLOW L (R) PRE P
SLOW L (R) PRE N
TP550
Q550-554<6>
R574, C565
C569, 574<6>
Q556<6>
Q557<6>
TP551
IC801<9>
EQ-LSI (SLOW)
TP819
TP820
IC805, Q804<9>
EQ-EYE DAC (SLOW)
TP821
IC804<9>
EDA DATA SL L (R) P
EDA DATA SL L (R) N
EDA CLK SL L (R) P
EDA CLK SL L (R) N
DRATE0
IC6
Q413
DO FLT

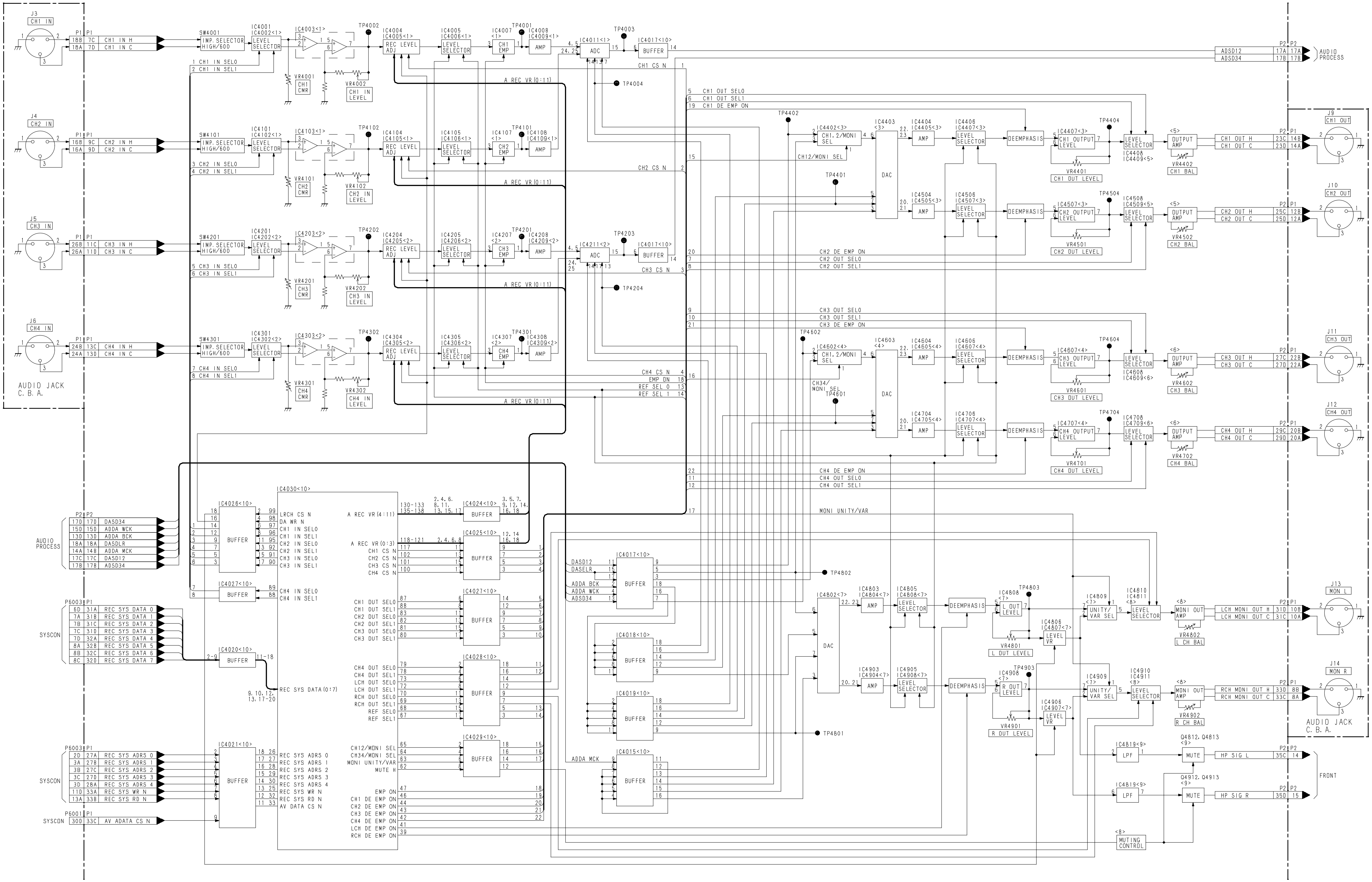
HEAD BUFF 100 BLOCK DIAGRAM


RFEQ100-LCH
REC/PB
RFEQ100-RCH
SERVO (P3)
RFEQ100-RCH (P950)
RFEQ100-LCH (P950)
SYSCON (P6001)
P950
P1
P4
P3
P2
RE L1 CURR
FE CTRL L1
RE L2 CURR
FE CTRL L2
RE R1 CURR
FE CTRL R1
RE R2 CURR
FE CTRL R2
RESET
FE 42M
R1 REC
REC DATA R P
REC DATA R N
PR R PRE P
PR R PRE N
RP R MAG
R2 REC
RP R HSW
PB R PRE P
PB R PRE N
PB R MAG
PB R HSW
REC R
SLOW R PRE P
SLOW R PRE N
SLOW R MAG
SLOW R HSW
REC DATA L P
REC DATA L N
L1 REC
RP L PRE P
RP L PRE N
RP L MAG
REC I
REC L
RP L HSW
L2 REC
PB L PRE P
PB L PRE N
PB L MAG
PB L HSW
SLOW L PRE P
SLOW L PRE N
SLOW L MAG
SLOW L HSW
IC906<9>
IC901
IC903
IC904
IC905
Q903<9>
Q911<9>
Q904<9>
Q912<9>
Q907<9>
IC908<9>
Q905, 906<9>
Q913, 914<9>
Q907, 908<9>
Q915, 916<9>
OSC
RE L1 P
RE L1 N
RE L2 P
RE L2 N
RE R1 P
RE R1 N
RE R2 P
RE R2 N
L1
L2
R1
R2
RE
IC4
IC8
Q2, 7, 11, 13<1>
Q21, 22 29, 30<1>
T1
T2
REC AMP
STEP TR
IC2, 3<1> Q4, 5
REC
PB
RP L1 P
RP L1 N
RP L2 P
RP L2 N
RP PB L1+
RP PB L1-
RP PB L2-
RP PB L2+
IC6, 7<1> Q19, 25
Q1<1>
Q18<1>
IC503<5>
IC505
C552, 553 L509<5>
Q508, 510, 511 <5>
IC504<5> Q504, 505
Q513
IC502<5>
AMP
GAIN CTRL
CUE TRAP 70KHz
ER TRAP 42MHz
MUTE
HEAD AMP
TP501
IC907<10>
IC301<5>
IC303<3>
IC305
C350, 351 L305<3>
Q307, 308, 310 <3>
IC304<5> Q304, 305
IC302<3>
TP301
IC301<3>
PB L1 P
PB L1 N
PB L2 P
PB L2 N
IC703<7>
IC705<7>
IC704<7> Q703, 704
IC702<7>
TP701
IC301<7>
SLOW L1 P
SLOW L1 N
SLOW L2 P
SLOW L2 N
RP L1 P
RP L1 N
RP L2 P
RP L2 N
IC124<2>
Q122, 127 Q131, 133<2>
T3<2>
IC122, 123 Q124, 125<2>
IC128<2>
Q141, 142 Q149, 150<2>
T4<2>
RP PB R1+
RP PB R1-
RP PB R2-
RP PB R2+
RP R1 P
RP R1 N
RP R2 P
RP R2 N
RP
Q121<2>
IC603<6>
IC605<6>
C652, 653 L609<6>
Q608, 610, 611
IC604<6> Q604, 605
Q613
IC602<6>
TP601
IC907<10>
IC401<6>
IC126, 127 Q139, 145<2>
RP R HSW
R2 REC
Q138<2>
PB R PRE P
PB R PRE N
IC403<4>
IC405<4>
C450, 451 L405<4>
Q407, 409, 410
IC404<4> Q403, 404
IC402<4>
TP401
IC401<4>
PB R MAG
PB R HSW
PB R1 P
PB R1 N
PB R2 P
PB R2 N
PB L1 P
PB L1 N
PB L2 P
PB L2 N
PB
SLOW R PRE P
SLOW R PRE N
IC803<8>
IC805<8>
IC804<8> Q803, 804
IC802<8>
TP801
IC401<8>
SLOW R MAG
SLOW R HSW
SLOW R1 P
SLOW R1 N
SLOW R2 P
SLOW R2 N
SLOW L1 P
SLOW L1 N
SLOW L2 P
SLOW L2 N
SLOW

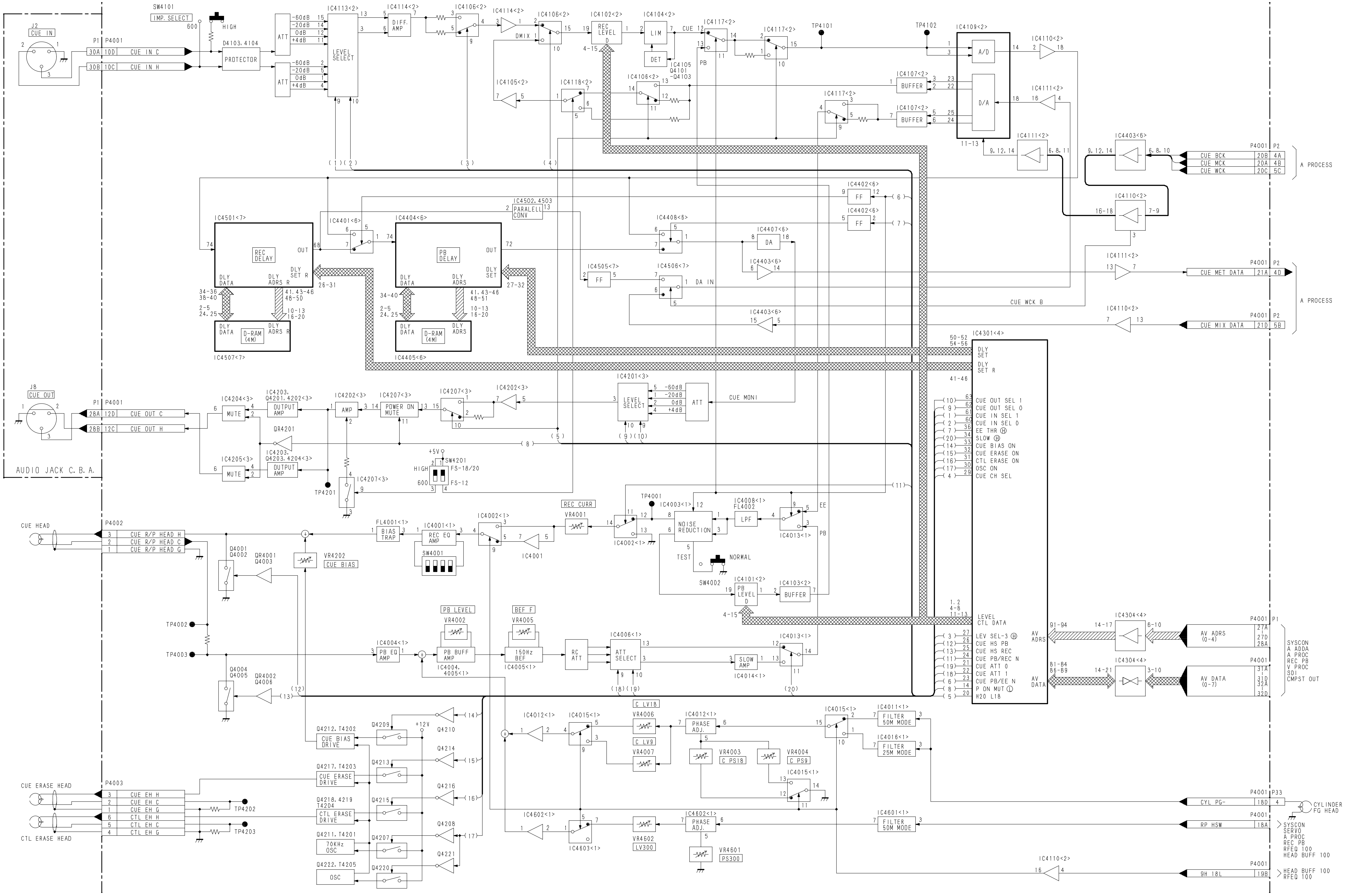
A PROC BLOCK DIAGRAM


AES/EBU C.B.A.
J1 CH 1/2 IN
J2 CH 3/4 IN
J3 CH 6/5 IN
J4 CH 7/8 IN
AESEBU 78IN
AESEBU 56IN
AESEBU 34IN
AESEBU 12IN
IC4004<1>
IC4003<1>
IC4002<1>
IC4001<1>
IC4309<5>
IC4307<5>
REC PLD
170-179
187-199
REC SYS DATA (0-7)
REC SYS ADRS (0-10)
AESAIN 12
AESAIN 34
IC4601<7>
DIO
SRL OUT 12
SRL OUT 34
AES OUT 12
AES OUT 34
PCM IN 12
PCM IN 34
62-70
52-60
IC4603<7>
FIFO
A IN CH12
A IN CH34
D IN CH12
D IN CH34
REC CH12
REC CH34
AESE IN 56
AESE IN 78
SRL OUT 56
SRL OUT 78
IC4701<7>
IC4703<7>
REC CH56
REC CH78
IC4313,4314<5>
IC4311<5>
REC SYS ADRS (0-10)
REC SYS DATA (0-7)
SERVO
A ADDA
REC PB
SDI
V PROC
SYSCON
CUE
SDI
SID IN AUD CH12
SID IN AUD CH34
SID IN AUD CH56
SID IN AUD CH78
REC PB
IC4315<5>
REC AUD CH12
REC AUD CH34
REC AUD CH56
REC AUD CH78
CUE
CUE MIX DATA
IC4902<9>
D-RAM
DQ(0-15)
AD(0-13)
IP4901,4902<9>
PLD I/F
NCONFIG
DATA
DCLK
OE
NCS
ADRS
CONF
DATA 0
NS TATUS
NCON FIG
FOR PLD WRITER
TDD
TCK
TMS
TDI
IC4901<9>
PLD
AV ADRS
AV DATA
IC4501<4>
ACNT
DIN CH34
DIN CH12
AIN CH34
AIN CH12
REC CH34
REC CH12
JCV OUT 12,34
PB FRM 1234
PB D OUT 12
PB D OUT 34
MONI 5678
MUTE A-D
REC PB FRM BUFF2
IC4102<2>
S RAM
ADRS
DATA
IC4424<6>
PB PLD
AES TX CH78
D OUT CH12
D OUT CH34
D OUT CH56
D OUT CH78
PB D OUT12
PB D OUT34
PB D OUT56
PB D OUT78
SDI TX CH12
SDI TX CH34
SDI TX CH56
SDI TX CH78
AES TX CH12
AES TX CH34
AES TX CH56
SD SDI TX CH12
SD SDI TX CH34
BSYNC OUT
SD SDO34
SD SDO12
VFADE N CH1-4
VFADE N CH5-8
IC4801<8>
SD DIO
IC4502<4>
MONI 1234
JCV OUT 56,57
PB FRM5678
PB DOUT 56
PB DOUT 78
REC PB FRM BUFF2
REC CH56
REC CH78
DIN CH78
DIN CH56
IC4201<3>
AES/EBU C.B.A.
J8 CH 7/8 OUT
J7 CH 5/6 OUT
J6 CH 3/4 OUT
J5 CH 1/2 OUT
AESEBU 78 OUT
AESEBU 56 OUT
AESEBU 34 OUT
AESEBU 12 OUT
BUFF
IC4423<6>
IC4415<6>
SDI
SDI OUT AUD CH12
SDI OUT AUD CH34
SDI OUT AUD CH56
SDI OUT AUD CH78
A JOG C.B.A.
P600
FOR PLD WRITER
IP600-602<5>
PLD I/F
IC101,105,201,205 IC301,302<1,2,3>
SLOW JOG CONTROL
PLD
IC503<4>
IC500<4>
JOUT 12
JIN 12
JIN 34
JOUT 34
IC502<4>
AV DATA BUS
IC500,513<4>
AV ADRS BUS
IC102,103 202,203<1,2>
S-RAM
SW FRM
REC PB

A ADDA BLOCK DIAGRAM


J3
CH1 IN
J4
CH2 IN
J5
CH3 IN
J6
CH4 IN
AUDIO JACK C. B. A.
SW4001
IMP. SELECTOR HIGH/600
IC4001 IC4002<1>
LEVEL SELECTOR
IC4003<1>
VR4001 CH1 CMR
VR4002 CH1 IN LEVEL
TP4002
IC4004 IC4005<1>
REC LEVEL ADJ
IC4005 IC4006<1>
LEVEL SELECTOR
IC4007 <1>
CH1 EMP
TP4001
IC4008 IC4009<1>
AMP
IC4011<1>
ADC
TP4003
IC4017<10>
BUFFER
TP4004
A REC VR(0:11)
CH1 CS N
ADSD12
ADSD34
AUDIO PROCESS
SW4101
IC4101 IC4102<1>
IC4103<1>
VR4101 CH2 CMR
VR4102 CH2 IN LEVEL
TP4102
IC4104 IC4105<1>
IC4105 IC4106<1>
IC4107 <1>
CH2 EMP
TP4101
IC4108 IC4109<1>
CH2 CS N
SW4201
IC4201 IC4202<2>
IC4203<2>
VR4201 CH3 CMR
VR4202 CH3 IN LEVEL
TP4202
IC4204 IC4205<2>
IC4205 IC4206<2>
IC4207 <2>
CH3 EMP
TP4201
IC4208 IC4209<2>
IC4211<2>
TP4203
TP4204
CH3 CS N
SW4301
IC4301 IC4302<2>
IC4303<2>
VR4301 CH4 CMR
VR4302 CH4 IN LEVEL
TP4302
IC4304 IC4305<2>
IC4305 IC4306<2>
IC4307 <2>
CH4 EMP
TP4301
IC4308 IC4309<2>
CH4 CS N
EMP ON
REF SEL 0
REF SEL 1
CH1 OUT SEL0
CH1 OUT SEL1
CH1 DE EMP ON
TP4402
IC4402<3>
CH1, 2/MONI SEL
CH12/MONI SEL
IC4403 <3>
DAC
TP4401
IC4404 IC4405<3>
AMP
IC4406 IC4407<3>
DEEMPHASIS
IC4407<3>
CH1 OUTPUT LEVEL
VR4401 CH1 OUT LEVEL
TP4404
LEVEL SELECTOR
IC4408 IC4409<5>
<5> OUTPUT AMP
VR4402 CH1 BAL
CH1 OUT H
CH1 OUT C
J9 CH1 OUT
IC4504 IC4505<3>
IC4506 IC4507<3>
IC4507<3>
CH2 OUTPUT LEVEL
VR4501 CH2 OUT LEVEL
TP4504
IC4508 IC4509<5>
VR4502 CH2 BAL
CH2 OUT H
CH2 OUT C
J10 CH2 OUT
CH2 DE EMP ON
CH2 OUT SEL0
CH2 OUT SEL1
CH3 OUT SEL0
CH3 OUT SEL1
CH3 DE EMP ON
TP4602
IC4602<4>
CH34/MONI SEL
TP4601
IC4603 <4>
IC4604 IC4605<4>
IC4606 IC4607<4>
IC4607<4>
CH3 OUTPUT LEVEL
VR4601 CH3 OUT LEVEL
TP4604
IC4608 IC4609<6>
<6>
VR4602 CH3 BAL
CH3 OUT H
CH3 OUT C
J11 CH3 OUT
IC4704 IC4705<4>
IC4706 IC4707<4>
IC4707<4>
CH4 OUTPUT LEVEL
VR4701 CH4 OUT LEVEL
TP4704
IC4708 IC4709<6>
VR4702 CH4 BAL
CH4 OUT H
CH4 OUT C
J12 CH4 OUT
CH4 DE EMP ON
CH4 OUT SEL0
CH4 OUT SEL1
MONI UNITY/VAR
IC4030<10>
IC4026<10>
IC4027<10>
IC4024<10>
IC4025<10>
IC4028<10>
IC4029<10>
IC4020<10>
IC4021<10>
LRCH CS N
DA WR N
A REC VR(4:11)
A REC VR(0:3)
REC SYS DATA(0:7)
REC SYS ADRS 0
REC SYS ADRS 1
REC SYS ADRS 2
REC SYS ADRS 3
REC SYS ADRS 4
REC SYS WR N
REC SYS RD N
AV DATA CS N
MUTE H
DASD34
ADDA WCK
ADDA BCK
DASDLR
ADDA MCK
DASD12
ADSD34
SYSCON
P6003
P6001
AV ADATA CS N
IC4017<10>
IC4018<10>
IC4019<10>
IC4015<10>
TP4802
TP4801
IC4802<7>
IC4803 IC4804<7>
IC4805 IC4808<7>
IC4808 <7>
L OUT LEVEL
TP4803
IC4806 IC4807<7>
LEVEL VR
VR4801 L OUT LEVEL
IC4809 <7>
UNITY/VAR SEL
IC4810 IC4811 <8>
<8> MONI OUT AMP
VR4802 L CH BAL
LCH MONI OUT H
LCH MONI OUT C
J13 MON L
IC4903 IC4904<7>
IC4905 IC4908<7>
IC4908 <7>
R OUT LEVEL
TP4903
IC4906 IC4907<7>
VR4901 R OUT LEVEL
IC4909 <7>
IC4910 IC4911 <8>
VR4902 R CH BAL
RCH MONI OUT H
RCH MONI OUT C
J14 MON R
IC4819<9>
LPF
Q4812, Q4813 <9>
MUTE
HP SIG L
Q4912, Q4913 <9>
HP SIG R
FRONT
<8> MUTING CONTROL
AUDIO JACK C. B. A.

CUE BLOCK DIAGRAM

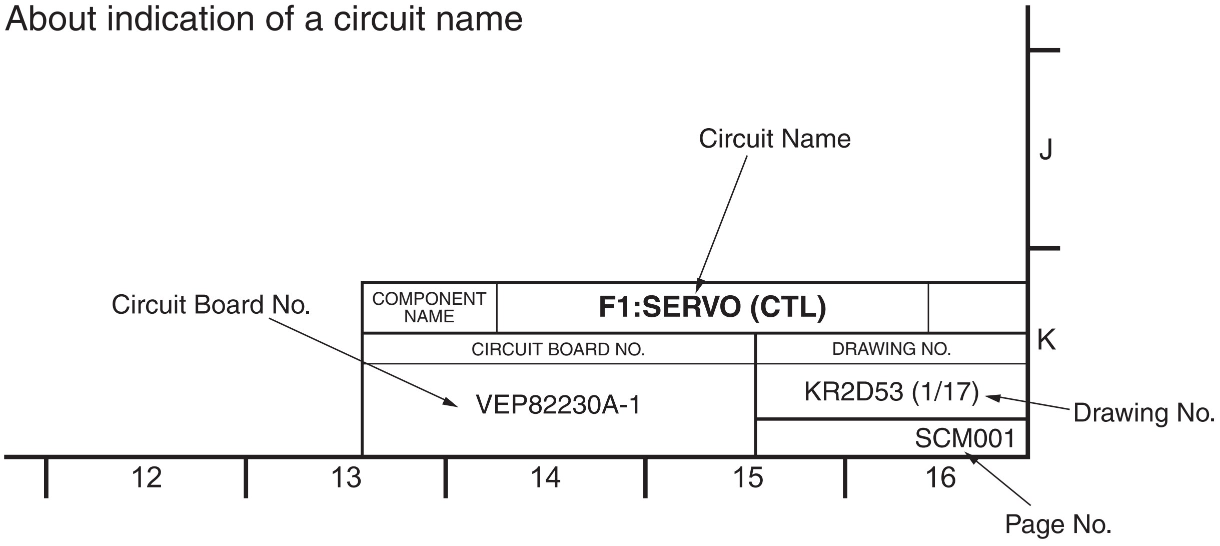


J2
CUE IN
P1
P4001
30A
10D
CUE IN C
30B
10C
CUE IN H
SW4101
IMP. SELECT
600
HIGH
D4103, 4104
PROTECTOR
ATT
-60dB
-20dB
0dB
+4dB
IC4113<2>
LEVEL SELECT
IC4114<2>
DIFF. AMP
IC4106<2>
IC4114<2>
DMIX
IC4106<2>
IC4102<2>
REC LEVEL D
4-15
IC4104<2>
LIM
DET
IC4105
Q4101
-Q4103
CUE
PB
IC4117<2>
IC4117<2>
TP4101
TP4102
IC4109<2>
A/D
D/A
11-13
IC4110<2>
IC4111<2>
IC4105<2>
IC4118<2>
IC4106<2>
IC4117<2>
IC4107<2>
BUFFER
IC4107<2>
BUFFER
IC4111<2>
9, 12, 14
6, 8, 11
IC4403<6>
9, 12, 14
6, 8, 10
P4001
P2
CUE BCK
CUE MCK
CUE WCK
20B
20A
20C
4A
4B
5C
A PROCESS
IC4110<2>
16-18
7-9
IC4402<6>
FF
IC4402<6>
FF
IC4502, 4503
PARALELL CONV
IC4501<7>
REC DELAY
OUT
DLY DATA
DLY ADRS R
DLY SET R
34-36
38-40
41, 43-46
48-50
26-31
2-5
24, 25
10-13
16-20
DLY DATA
D-RAM (4M)
DLY ADRS R
IC4507<7>
IC4401<6>
IC4404<6>
PB DELAY
DLY DATA
DLY ADRS
DLY SET
34-40
43-46
48-51
27-32
IC4405<6>
IC4408<6>
IC4407<6>
DA
IC4403<6>
IC4505<7>
FF
IC4506<7>
DA IN
IC4111<2>
P4001
P2
CUE MET DATA
21A
4D
CUE WCK B
A PROCESS
IC4403<6>
IC4110<2>
CUE MIX DATA
21D
5B
IC4301<4>
50-52
54-56
DLY SET
DLY SET R
41-46
CUE OUT SEL 1
CUE OUT SEL 0
CUE IN SEL 1
CUE IN SEL 0
EE THR Ⓗ
SLOW Ⓗ
CUE BIAS ON
CUE ERASE ON
CTL ERASE ON
OSC ON
CUE CH SEL
LEVEL CTL DATA
LEV SEL-3 Ⓗ
CUE HS PB
CUE HS REC
CUE PB/REC N
CUE ATT 0
CUE ATT 1
CUE PB/EE N
P ON MUT Ⓛ
H20 L18
AV ADRS
AV DATA
91-94
81-84
86-89
IC4304<4>
14-17
6-10
14-21
3-10
AV ADRS (0-4)
AV DATA (0-7)
27A
27D
28A
31A
31D
32A
32D
SYSCON
A ADDA
A PROC
REC PB
V PROC
SDI
CMPST OUT
J8
CUE OUT
28A
12D
CUE OUT C
28B
12C
CUE OUT H
IC4204<3>
MUTE
IC4203, Q4201, 4202<3>
OUTPUT AMP
QR4201
IC4205<3>
MUTE
IC4203, Q4203, 4204<3>
OUTPUT AMP
IC4202<3>
AMP
IC4207<3>
POWER ON MUTE
IC4207<3>
IC4202<3>
IC4201<3>
LEVEL SELECT
ATT
CUE MONI
+5V
SW4201
HIGH
600
FS-18/20
FS-12
IC4207<3>
TP4201
AUDIO JACK C. B. A.
CUE HEAD
P4002
CUE R/P HEAD H
CUE R/P HEAD C
CUE R/P HEAD G
Q4001
Q4002
QR4001
Q4003
VR4202
CUE BIAS
FL4001<1>
BIAS TRAP
IC4001<1>
REC EQ AMP
SW4001
IC4002<1>
IC4001
REC CURR
VR4001
TP4001
IC4003<1>
NOISE REDUCTION
IC4008<1>
FL4002
LPF
IC4013<1>
EE
PB
TEST
NORMAL
SW4002
IC4101<2>
PB LEVEL D
IC4103<2>
BUFFER
4-15
TP4002
TP4003
Q4004
Q4005
QR4002
Q4006
IC4004<1>
PB EQ AMP
PB LEVEL
VR4002
PB BUFF AMP
IC4004, 4005<1>
BEF F
VR4005
150Hz BEF
IC4005<1>
RC ATT
IC4006<1>
ATT SELECT
SLOW AMP
IC4014<1>
IC4013<1>
Q4212, T4202
CUE BIAS DRIVE
Q4209
+12V
Q4210
Q4214
Q4213
Q4217, T4203
CUE ERASE DRIVE
Q4216
Q4218, 4219
T4204
CTL ERASE DRIVE
Q4215
Q4208
Q4211, T4201
70KHz OSC
Q4207
Q4221
Q4222, T4205
OSC
Q4220
IC4012<1>
IC4015<1>
C LV18
VR4006
C LV9
VR4007
IC4012<1>
PHASE ADJ.
VR4003
C PS18
VR4004
C PS9
IC4015<1>
IC4015<1>
IC4011<1>
FILTER 50M MODE
IC4016<1>
FILTER 25M MODE
CUE ERASE HEAD
P4003
CUE EH H
CUE EH C
CUE EH G
CTL EH H
CTL EH C
CTL EH G
TP4202
TP4203
CTL ERASE HEAD
IC4602<1>
IC4603<1>
VR4602
LV300
IC4602<1>
PHASE ADJ.
VR4601
PS300
IC4601<1>
FILTER 50M MODE
P33
CYL PG-
18D
CYLINDER FG HEAD
RP HSW
18A
SYSCON
SERVO
A PROC
REC PB
RFEQ 100
HEAD BUFF 100
IC4110<2>
9H 18L
19B
HEAD BUFF 100
RFEQ 100

SECTION 5

SCHEMATIC DIAGRAMS

About indication of a circuit name


Circuit Name
J
Circuit Board No.
COMPONENT NAME
F1:SERVO (CTL)
K
CIRCUIT BOARD NO.
DRAWING NO.
VEP82230A-1
KR2D53 (1/17)
Drawing No.
SCM001
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13
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Page No.

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION7

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

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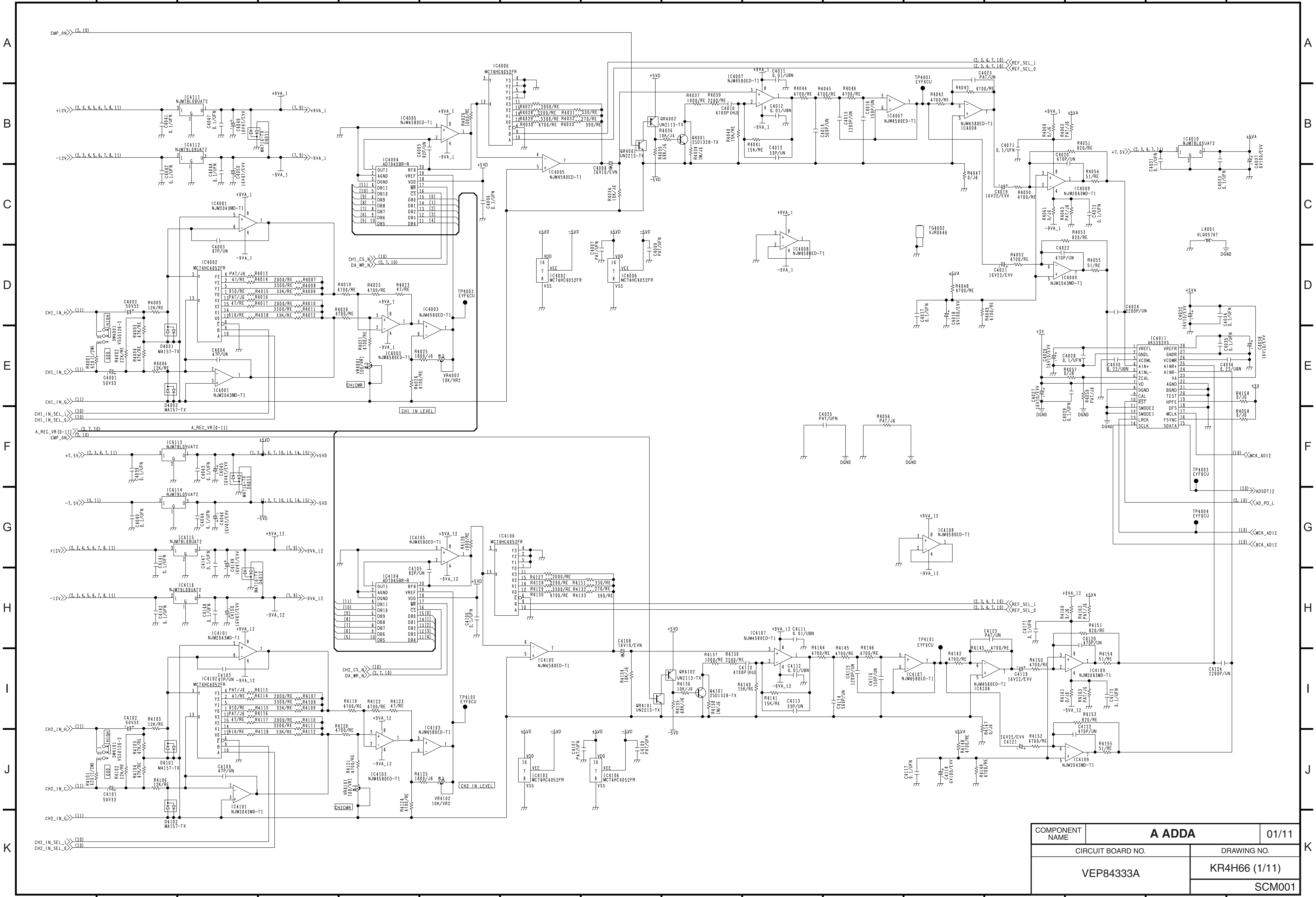
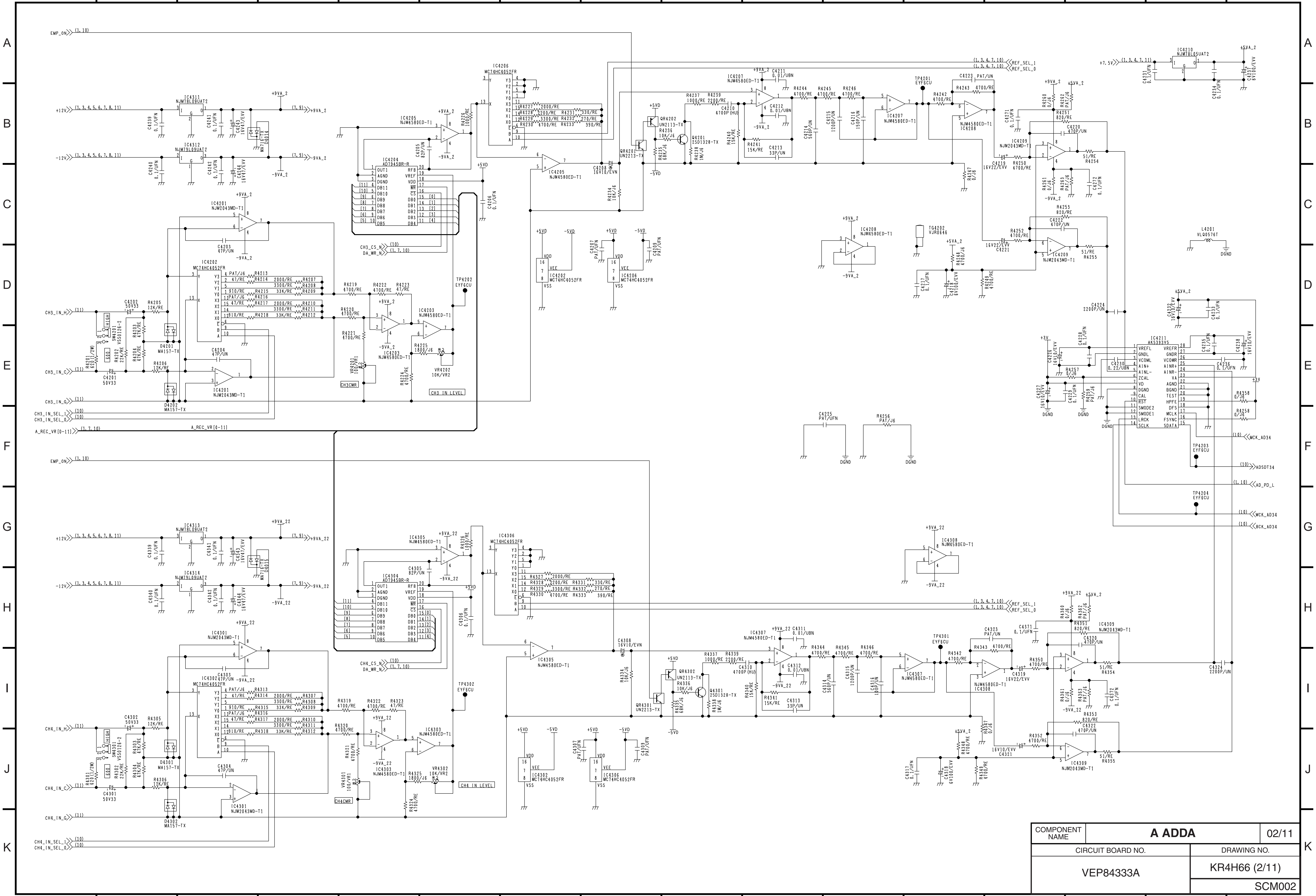
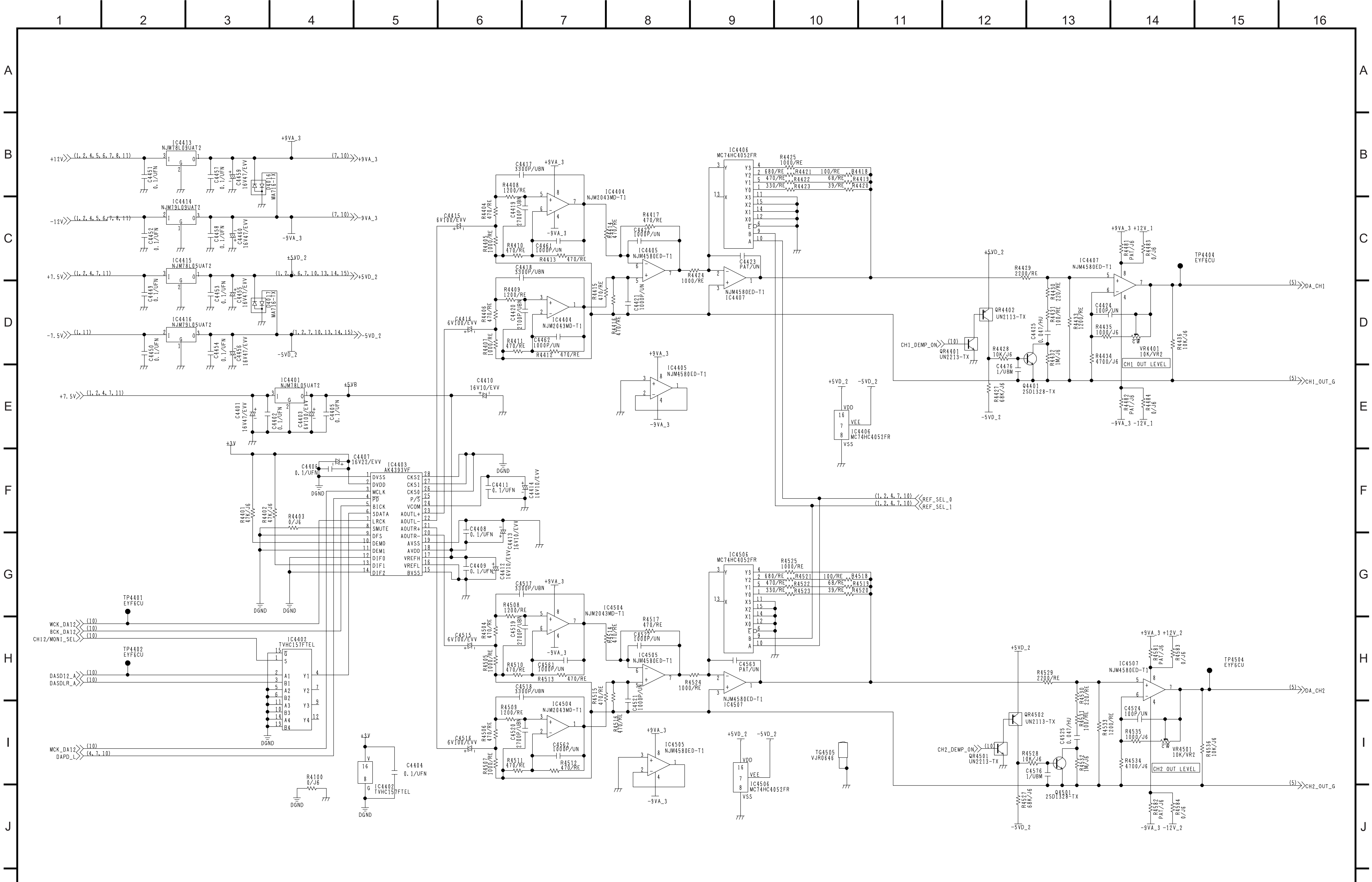

EMP_ON
+12V
-12V
+9VA_1
-9VA_1
IC4111 NJM78L09UAT2
IC4112 NJM79L09UAT2
IC4001 NJM2043MD-T1
IC4002 MC74HC4052FR
IC4003 NJM4580ED-T1
IC4004 AD1945BR-R
IC4005 NJM4580ED-T1
IC4006 MC74HC4052FR
IC4007 NJM4580ED-T1
IC4008 NJM4580ED-T1
IC4009 NJM2043MD-T1
IC4010 NJM78L05UAT2
IC4011 AK5393VS
CH1_IN_H
CH1_IN_C
CH1_IN_G
CH1_IN_SEL_1
CH1_IN_SEL_0
CH1_CS_N
DA_WR_N
A_REC_VR[0-11]
A_REC_VR[0-11]
CH1CMR
CH1 IN LEVEL
VR4001 10K/VR2
VR4002 10K/VR2
SW4101 VSS0126-2
D4001 MA157-TX
D4002 MA157-TX
QR4001 UN2213-TX
QR4002 UN2113-TX
Q4001 2SD1328-TX
TP4001 EYF6CU
TP4002 EYF6CU
TP4003 EYF6CU
TP4004 EYF6CU
TG4002 VJR0646
L4001 VLQ0576T
REF_SEL_1
REF_SEL_0
+7.5V
-7.5V
+5VD
-5VD
+5VA
+3V
DGND
MCK_AD12
ADSDT12
AD_PD_L
WCK_AD12
BCK_AD12
IC4113 NJM78L05UAT2
IC4114 NJM79L05UAT2
IC4115 NJM78L09UAT2
IC4116 NJM79L09UAT2
+9VA_12
-9VA_12
IC4101 NJM2043MD-T1
IC4102 MC74HC4052FR
IC4103 NJM4580ED-T1
IC4104 AD1945BR-R
IC4105 NJM4580ED-T1
IC4106 MC74HC4052FR
IC4107 NJM4580ED-T1
IC4108 NJM4580ED-T1
IC4109 NJM2043MD-T1
CH2_IN_H
CH2_IN_C
CH2_IN_G
CH2_IN_SEL_1
CH2_IN_SEL_0
CH2_CS_N
DA_WR_N
CH2CMR
CH2 IN LEVEL
VR4101 10K/VR2
VR4102 10K/VR2
D4101 MA157-TX
D4102 MA157-TX
QR4101 UN2213-TX
QR4102 UN2113-TX
Q4101 2SD1328-TX
TP4101 EYF6CU
TP4102 EYF6CU

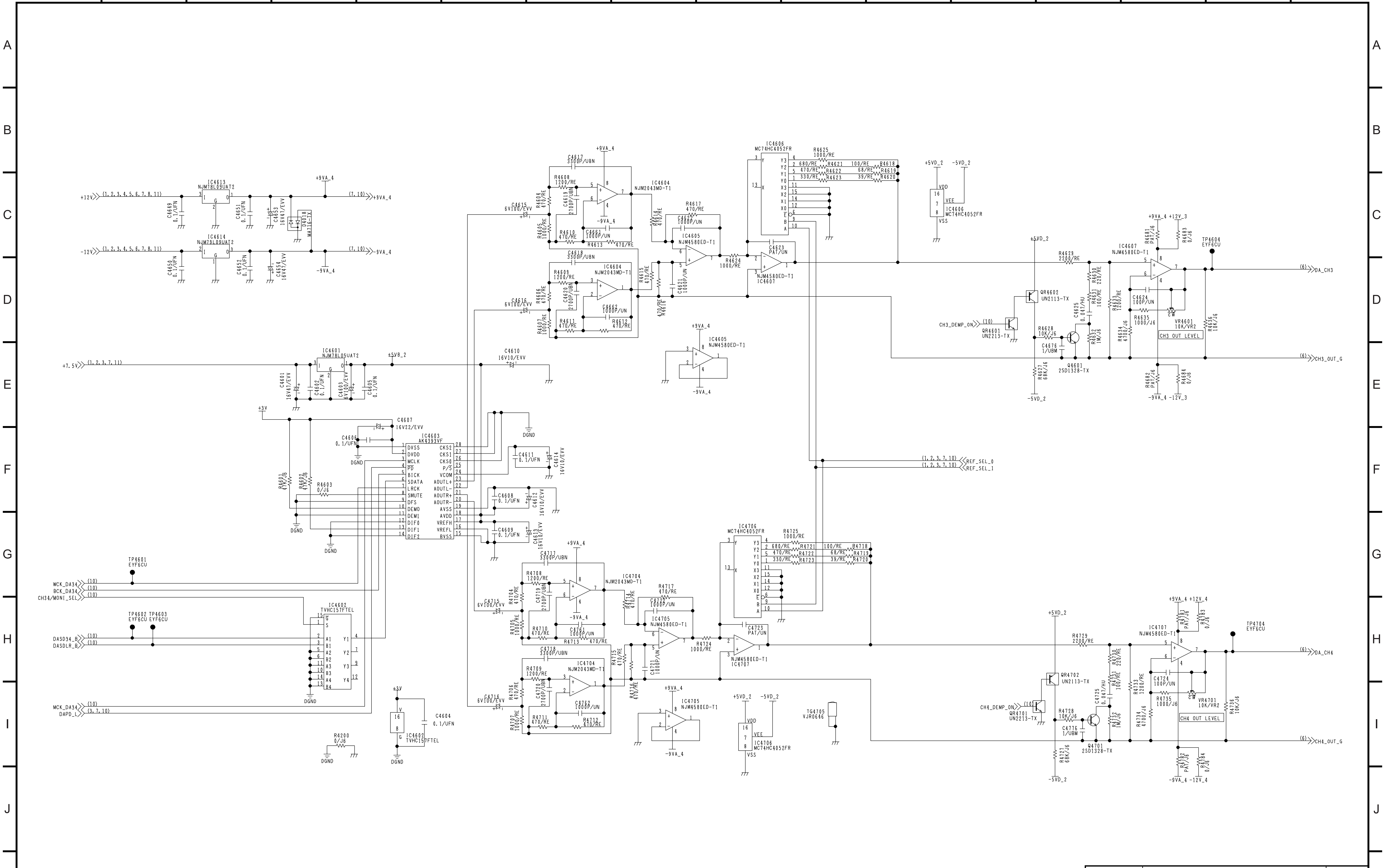
COMPONENT NAME	A ADDA	01/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP84333A		KR4H66 (1/11)
		SCM001


EMP_ON
+12V
-12V
+9VA_2
-9VA_2
IC4311 NJM78L09UAT2
IC4312 NJM79L09UAT2
IC4201 NJM2043MD-T1
IC4202 MC74HC4052FR
IC4203 NJM4580ED-T1
IC4204 AD1945BR-R
IC4205 NJM4580ED-T1
IC4206 MC74HC4052FR
IC4207 NJM4580ED-T1
IC4208 NJM4580ED-T1
IC4209 NJM2043MD-T1
IC4210 NJM78L05UAT2
IC4211 AK5393VS
QR4201 UN2213-TX
QR4202 UN2113-TX
Q4201 2SD1328-TX
TP4201 EYF6CU
TP4202 EYF6CU
TP4203 EYF6CU
TP4204 EYF6CU
TG4202 VJR0646
L4201 VLQ0576T
SW4201 VSS0126-2
D4201 MA157-TX
D4202 MA157-TX
D4014 MA716-TX
VR4201 10K/VR1
VR4202 10K/VR2
CH3_IN_H
CH3_IN_C
CH3_IN_G
CH3_IN_SEL_1
CH3_IN_SEL_0
A_REC_VR[0-11]
CH3_CS_N
DA_WR_N
CH3CMR
CH3 IN LEVEL
REF_SEL_1
REF_SEL_0
+7.5V
+5VA_2
+5VD
-5VD
+3V
DGND
MCK_AD34
ADSDT34
AD_PD_L
WCK_AD34
BCK_AD34
IC4313 NJM78L09UAT2
IC4314 NJM79L09UAT2
+9VA_22
-9VA_22
IC4301 NJM2043MD-T1
IC4302 MC74HC4052FR
IC4303 NJM4580ED-T1
IC4304 AD1945BR-R
IC4305 NJM4580ED-T1
IC4306 MC74HC4052FR
IC4307 NJM4580ED-T1
IC4308 NJM4580ED-T1
IC4309 NJM2043MD-T1
QR4301 UN2213-TX
QR4302 UN2113-TX
Q4301 2SD1328-TX
TP4301 EYF6CU
TP4302 EYF6CU
SW4301 VSS0126-2
D4301 MA157-TX
D4302 MA157-TX
D4015 MA716-TX
VR4301 10K/VR1
VR4302 10K/VR2
CH4_IN_H
CH4_IN_C
CH4_IN_G
CH4_IN_SEL_1
CH4_IN_SEL_0
CH4_CS_N
DA_WR_N
CH4CMR
CH4 IN LEVEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

COMPONENT NAME	A ADDA	02/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84333A	KR4H66 (2/11)	
	SCM002	

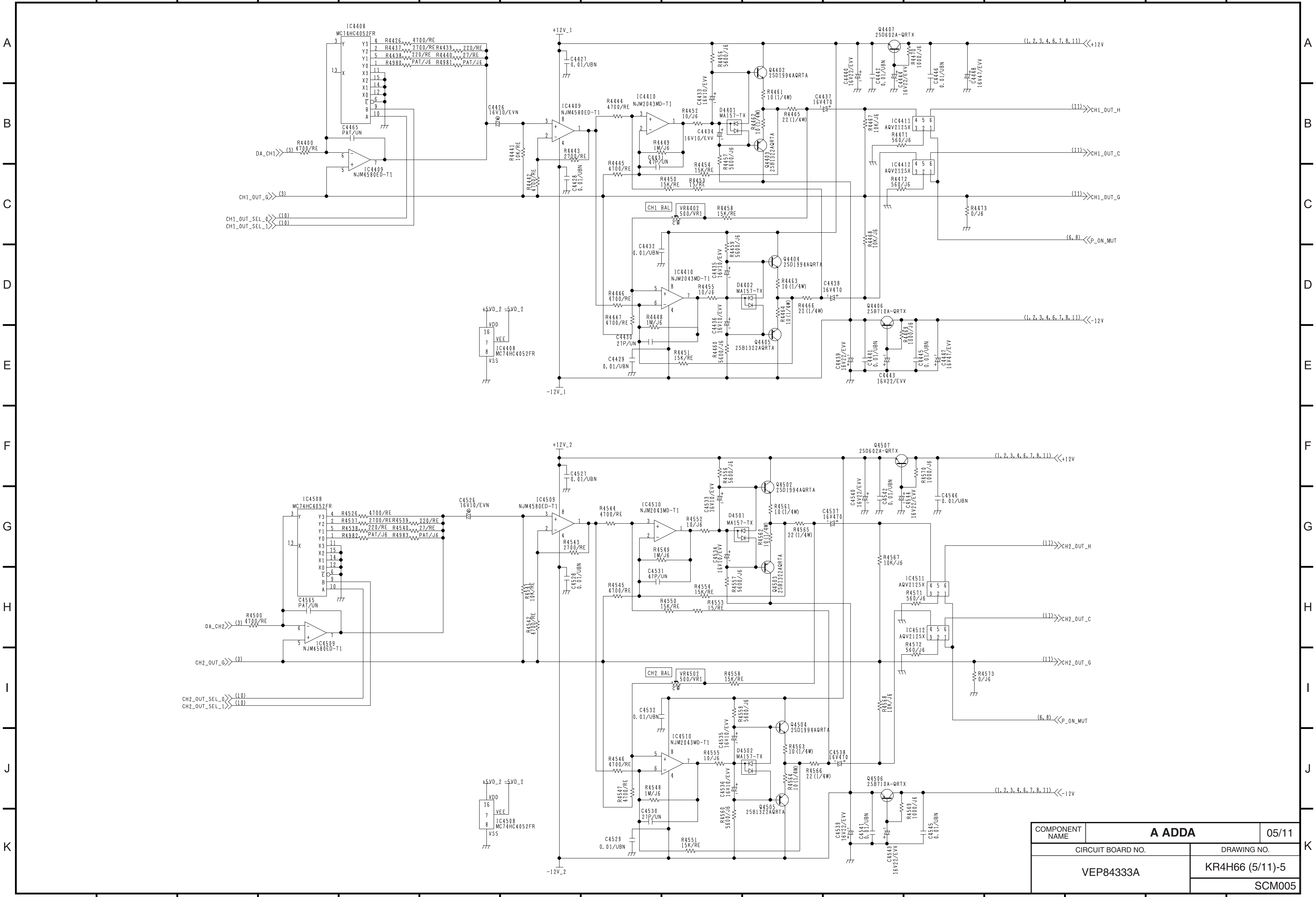

IC4413 NJM78L09UAT2
IC4414 NJM79L09UAT2
IC4415 NJM78L05UAT2
IC4416 NJM79L05UAT2
IC4401 NJM78L05UAT2
+12V
-12V
+7.5V
-7.5V
+9VA_3
-9VA_3
+5VD_2
-5VD_2
+5VB
+3V
D4016 MA716-TX
D4017 MA716-TX
IC4403 AK4393VF
DVSS
DVDD
MCLK
PD
BICK
SDATA
LRCK
SMUTE
DFS
DEM0
DEM1
DIF0
DIF1
DIF2
CKS2
CKS1
CKS0
P/S
VCOM
AOUTL+
AOUTL-
AOUTR+
AOUTR-
AVSS
AVDD
VREFH
VREFL
BVSS
DGND
IC4402 TVHC157FTEL
WCK_DA12
BCK_DA12
CH12/MONI_SEL
DASD12_A
DASDLR_A
MCK_DA12
DAPD_L
TP4401 EYF6CU
TP4402 EYF6CU
R4100 0/J6
IC4404 NJM2043MD-T1
IC4405 NJM4580ED-T1
IC4406 MC74HC4052FR
IC4407 NJM4580ED-T1
IC4504 NJM2043MD-T1
IC4505 NJM4580ED-T1
IC4506 MC74HC4052FR
IC4507 NJM4580ED-T1
QR4401 UN2213-TX
QR4402 UN2113-TX
Q4401 2SD1328-TX
QR4501 UN2213-TX
QR4502 UN2113-TX
Q4501 2SD1328-TX
VR4401 10K/VR2
CH1 OUT LEVEL
VR4501 10K/VR2
CH2 OUT LEVEL
TP4404 EYF6CU
TP4504 EYF6CU
TG4505 VJR0646
CH1_DEMP_ON
CH2_DEMP_ON
REF_SEL_0
REF_SEL_1
DA_CH1
CH1_OUT_G
DA_CH2
CH2_OUT_G

COMPONENT NAME	A ADDA	03/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP84333A		KR4H66 (3/11)-3
		SCM003

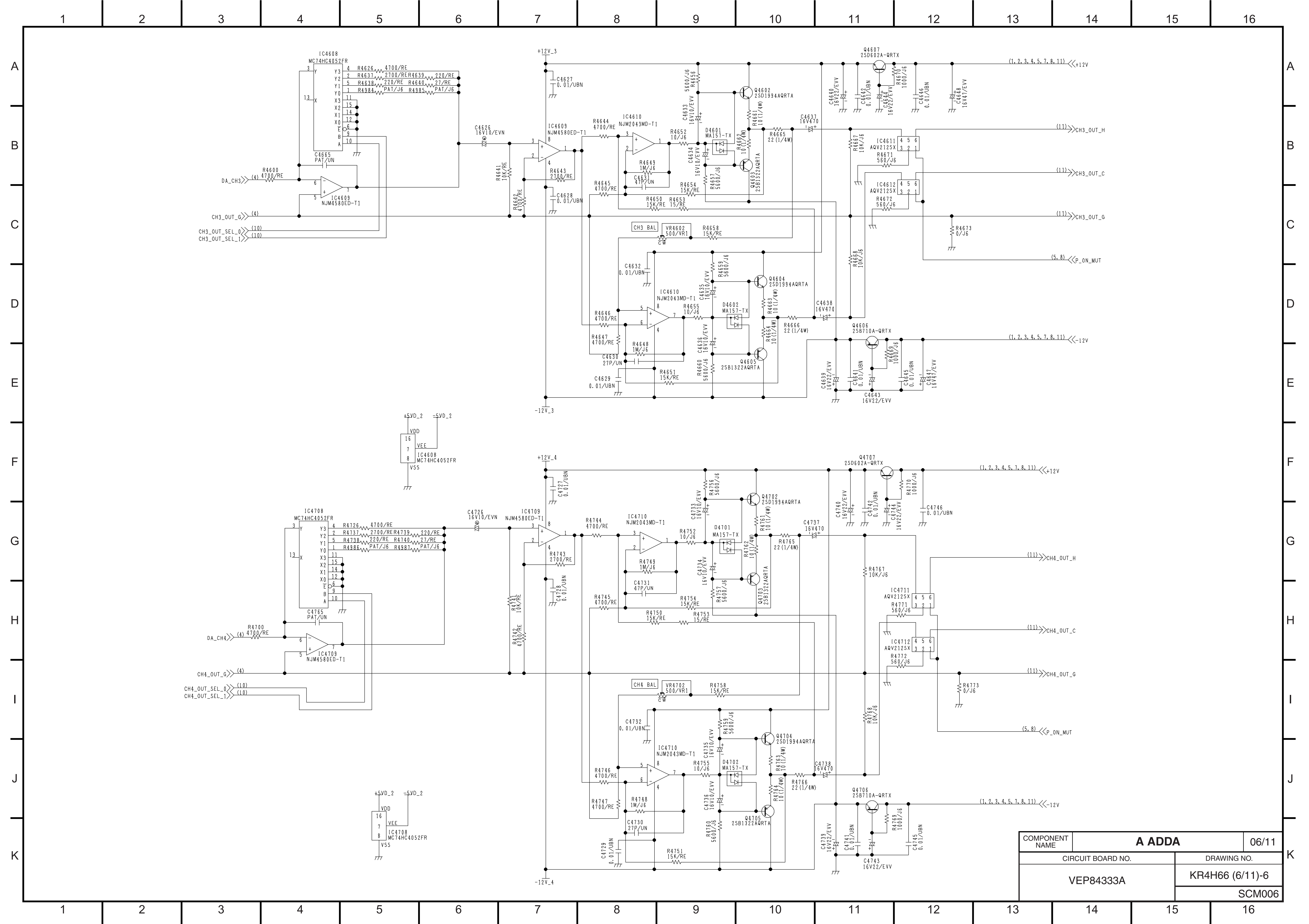


IC4613 NJM78L09UAT2
IC4614 NJM79L09UAT2
+12V
-12V
+9VA_4
-9VA_4
C4649 0.1/UFN
C4650 0.1/UFN
C4651 0.1/UFN
C4652 0.1/UFN
C4653 16V47/EVV
C4654 16V47/EVV
D4618 MA716-TX
IC4601 NJM78L05UAT2
+7.5V
+5VB_2
C4601 16V47/EVV
C4602 0.1/UFN
C4603 6V100/EVV
C4605 0.1/UFN
C4610 16V10/EVV
+3V
C4607 16V22/EVV
C4606 0.1/UFN
IC4603 AK4393VF
DVSS
DVDD
MCLK
PD
BICK
SDATA
LRCK
SMUTE
DFS
DEM0
DEM1
DIF0
DIF1
DIF2
CKS2
CKS1
CKS0
P/S
VCOM
AOUTL+
AOUTL-
AOUTR+
AOUTR-
AVSS
AVDD
VREFH
VREFL
BVSS
DGND
R4601 47K/J6
R4602 47K/J6
R4603 0/J6
C4611 0.1/UFN
C4614 16V10/EVV
C4608 0.1/UFN
C4612 16V10/EVV
C4609 0.1/UFN
C4613 16V10/EVV
TP4601 EYF6CU
WCK_DA34
BCK_DA34
CH34/MONI_SEL
TP4602 EYF6CU
TP4603 EYF6CU
DASD34_B
DASDLR_B
IC4602 TVHC157FTEL
MCK_DA34
DAPD_L
IC4602 TVHC157FTEL
C4604 0.1/UFN
R4200 0/J6
C4617 3300P/UBN
C4615 6V100/EVV
R4608 1200/RE
R4604 470/RE
R4605 1000/RE
C4619 2700P/UBN
R4610 470/RE
C4661 1000P/UN
R4613 470/RE
IC4604 NJM2043MD-T1
R4614 470/RE
C4618 3300P/UBN
C4616 6V100/EVV
R4609 1200/RE
R4606 470/RE
R4607 1000/RE
C4620 2700P/UBN
R4611 470/RE
C4662 1000P/UN
R4612 470/RE
R4615 470/RE
R4616 470/RE
R4617 470/RE
C4622 1000P/UN
IC4605 NJM4580ED-T1
C4621 1000P/UN
R4624 1000/RE
C4623 PAT/UN
IC4607 NJM4580ED-T1
IC4606 MC74HC4052FR
R4625 1000/RE
R4621 680/RE
R4622 470/RE
R4623 330/RE
R4618 100/RE
R4619 68/RE
R4620 39/RE
+5VD_2
-5VD_2
VDD
VEE
VSS
REF_SEL_0
REF_SEL_1
R4629 2200/RE
QR4602 UN2113-TX
CH3_DEMP_ON
QR4601 UN2213-TX
R4628 10K/J6
C4676 1/UBM
Q4601 2SD1328-TX
R4627 68K/J6
C4625 0.047/HU
R4630 220/RE
R4631 100/RE
R4632 1M/J6
R4633 1200/RE
R4634 4700/J6
C4624 100P/UN
R4635 1000/J6
VR4601 10K/VR2
CH3 OUT LEVEL
R4681 PAT/J6
R4683 0/J6
R4682 PAT/J6
R4684 0/J6
R4636 10K/J6
TP4604 EYF6CU
DA_CH3
CH3_OUT_G
IC4706 MC74HC4052FR
R4725 1000/RE
R4721 680/RE
R4722 470/RE
R4723 330/RE
R4718 100/RE
R4719 68/RE
R4720 39/RE
C4717 3300P/UBN
C4715 6V100/EVV
R4708 1200/RE
R4704 470/RE
R4705 1000/RE
C4719 2700P/UBN
R4710 470/RE
C4761 1000P/UN
R4713 470/RE
IC4704 NJM2043MD-T1
R4714 470/RE
R4717 470/RE
C4722 1000P/UN
IC4705 NJM4580ED-T1
C4721 1000P/UN
R4724 1000/RE
C4723 PAT/UN
IC4707 NJM4580ED-T1
C4718 3300P/UBN
C4716 6V100/EVV
R4709 1200/RE
R4706 470/RE
R4707 1000/RE
C4720 2700P/UBN
R4711 470/RE
C4762 1000P/UN
R4712 470/RE
R4715 470/RE
R4716 470/RE
TG4705 VJR0646
IC4706 MC74HC4052FR
R4729 2200/RE
QR4702 UN2113-TX
CH4_DEMP_ON
QR4701 UN2213-TX
R4728 10K/J6
C4776 1/UBM
Q4701 2SD1328-TX
R4727 68K/J6
C4725 0.047/HU
R4733 1200/RE
R4734 4700/J6
C4724 100P/UN
R4735 1000/J6
VR4701 10K/VR2
CH4 OUT LEVEL
R4736 10K/J6
TP4704 EYF6CU
DA_CH4
CH4_OUT_G
+12V_3
-12V_3
+12V_4
-12V_4

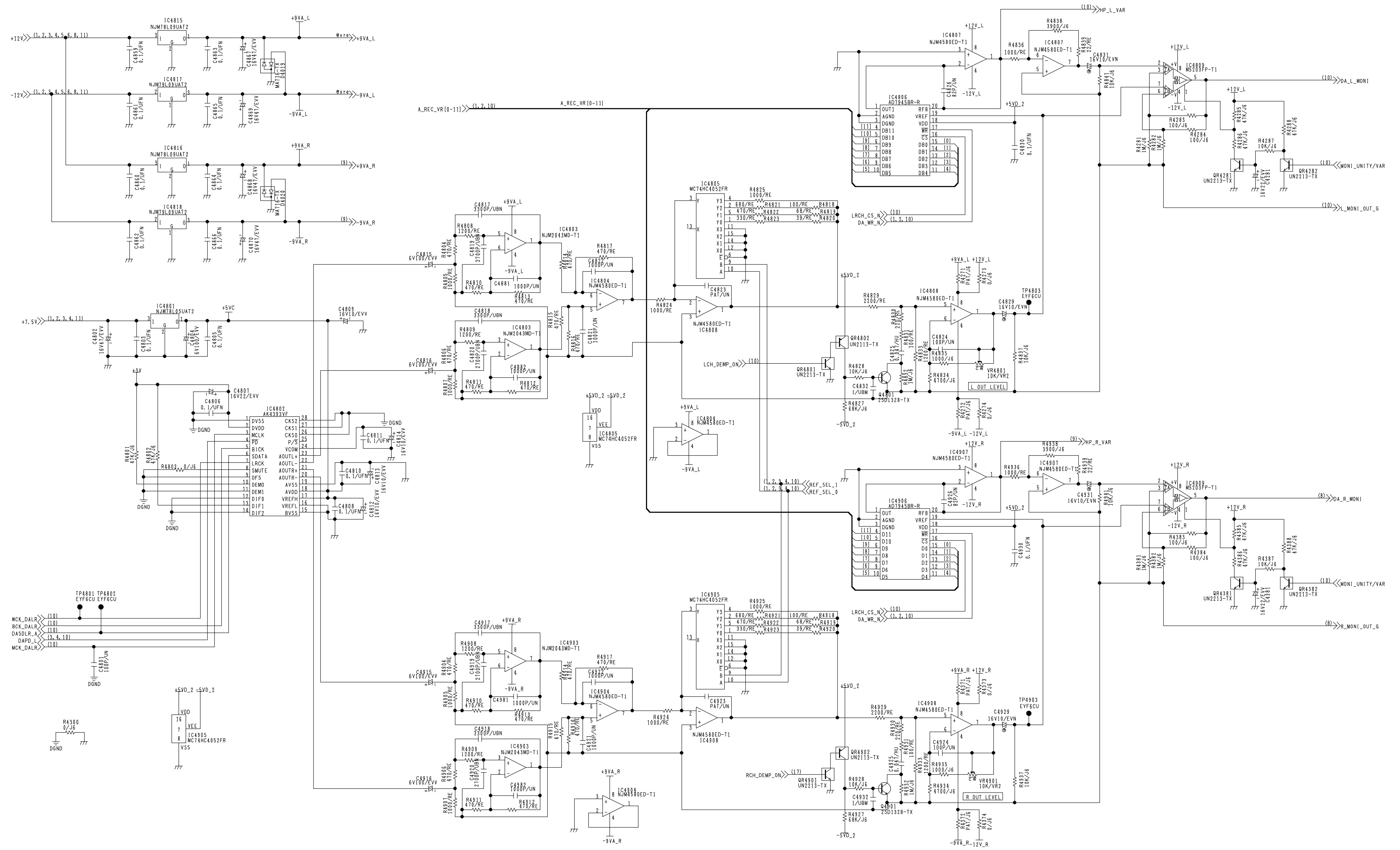
COMPONENT NAME	A ADDA	04/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP84333A		KR4H66(4/11)-4
		SCM004


IC4408
MC74HC4052FR
R4426 4700/RE
R4437 2700/RE
R4439 220/RE
R4438 220/RE
R4440 27/RE
R4980 PAT/J6
R4981 PAT/J6
C4465 PAT/UN
R4400 4700/RE
DA_CH1
IC4409 NJM4580ED-T1
CH1_OUT_G
CH1_OUT_SEL_0
CH1_OUT_SEL_1
+12V_1
-12V_1
C4427 0.01/UBN
C4426 16V10/EVN
R4441 10K/RE
R4442 4700/RE
R4443 2700/RE
C4428 0.01/UBN
R4444 4700/RE
IC4410 NJM2043MD-T1
R4452 10/J6
R4449 1M/J6
C4431 47P/UN
R4445 4700/RE
R4454 15K/RE
R4450 15K/RE
R4453 15/RE
R4456 5600/J6
Q4402 2SD1994AQRTA
R4461 10 (1/4W)
C4433 16V10/EVV
D4401 MA157-TX
C4434 16V10/EVV
R4465 22 (1/4W)
Q4403 2SB1322AQRTA
C4437 16V470
Q4407 2SD602A-QRTX
R4470 1000/J6
C4440 16V22/EVV
C4442 0.01/UBN
C4444 16V22/EVV
C4446 0.01/UBN
C4448 16V47/EVV
+12V
IC4411 AQV212SX
R4467 10K/J6
R4471 560/J6
CH1_OUT_H
IC4412 AQV212SX
R4472 560/J6
CH1_OUT_C
R4473 0/J6
P_ON_MUT
CH1 BAL
VR4402 500/VR1
R4458 15K/RE
C4432 0.01/UBN
R4459 5600/J6
C4435 16V10/EVV
Q4404 2SD1994AQRTA
R4463 10 (1/4W)
D4402 MA157-TX
R4455 10/J6
R4446 4700/RE
R4447 4700/RE
R4448 1M/J6
C4430 27P/UN
C4429 0.01/UBN
R4451 15K/RE
C4436 16V10/EVV
Q4405 2SB1322AQRTA
R4460 5600/J6
R4464 10 (1/4W)
R4466 22 (1/4W)
C4438 16V470
R4468 10K/J6
Q4406 2SB710A-QRTX
R4469 1000/J6
-12V
C4439 16V22/EVV
C4441 0.01/UBN
C4443 16V22/EVV
C4445 0.01/UBN
C4447 16V47/EVV
+5VD_2 -5VD_2
VDD VEE VSS
IC4408 MC74HC4052FR
+12V_2
-12V_2
IC4508 MC74HC4052FR
R4526 4700/RE
R4537 2700/RE
R4539 220/RE
R4538 220/RE
R4540 27/RE
R4982 PAT/J6
R4983 PAT/J6
C4565 PAT/UN
R4500 4700/RE
DA_CH2
IC4509 NJM4580ED-T1
CH2_OUT_G
CH2_OUT_SEL_0
CH2_OUT_SEL_1
C4527 0.01/UBN
C4526 16V10/EVN
R4541 10K/RE
R4542 4700/RE
R4543 2700/RE
C4528 0.01/UBN
R4544 4700/RE
IC4510 NJM2043MD-T1
R4552 10/J6
R4549 1M/J6
C4531 47P/UN
R4545 4700/RE
R4554 15K/RE
R4550 15K/RE
R4553 15/RE
R4556 5600/J6
Q4502 2SD1994AQRTA
R4561 10 (1/4W)
C4533 16V10/EVV
D4501 MA157-TX
C4534 16V10/EVV
R4565 22 (1/4W)
Q4503 2SB1322AQRTA
C4537 16V470
Q4507 2SD602A-QRTX
R4570 1000/J6
C4540 16V22/EVV
C4542 0.01/UBN
C4544 16V22/EVV
C4546 0.01/UBN
IC4511 AQV212SX
R4567 10K/J6
R4571 560/J6
CH2_OUT_H
IC4512 AQV212SX
R4572 560/J6
CH2_OUT_C
R4573 0/J6
CH2 BAL
VR4502 500/VR1
R4558 15K/RE
C4532 0.01/UBN
R4559 5600/J6
C4535 16V10/EVV
Q4504 2SD1994AQRTA
R4563 10 (1/4W)
D4502 MA157-TX
R4555 10/J6
R4546 4700/RE
R4547 4700/RE
R4548 1M/J6
C4530 27P/UN
C4529 0.01/UBN
R4551 15K/RE
C4536 16V10/EVV
Q4505 2SB1322AQRTA
R4560 5600/J6
R4564 10 (1/4W)
R4566 22 (1/4W)
C4538 16V470
R4568 10K/J6
Q4506 2SB710A-QRTX
R4569 1000/J6
C4539 16V22/EVV
C4541 0.01/UBN
C4543 16V22/EVV
C4545 0.01/UBN
IC4508 MC74HC4052FR
(1, 2, 3, 4, 6, 7, 8, 11)
(11)
(6, 8)
(3)
(10)

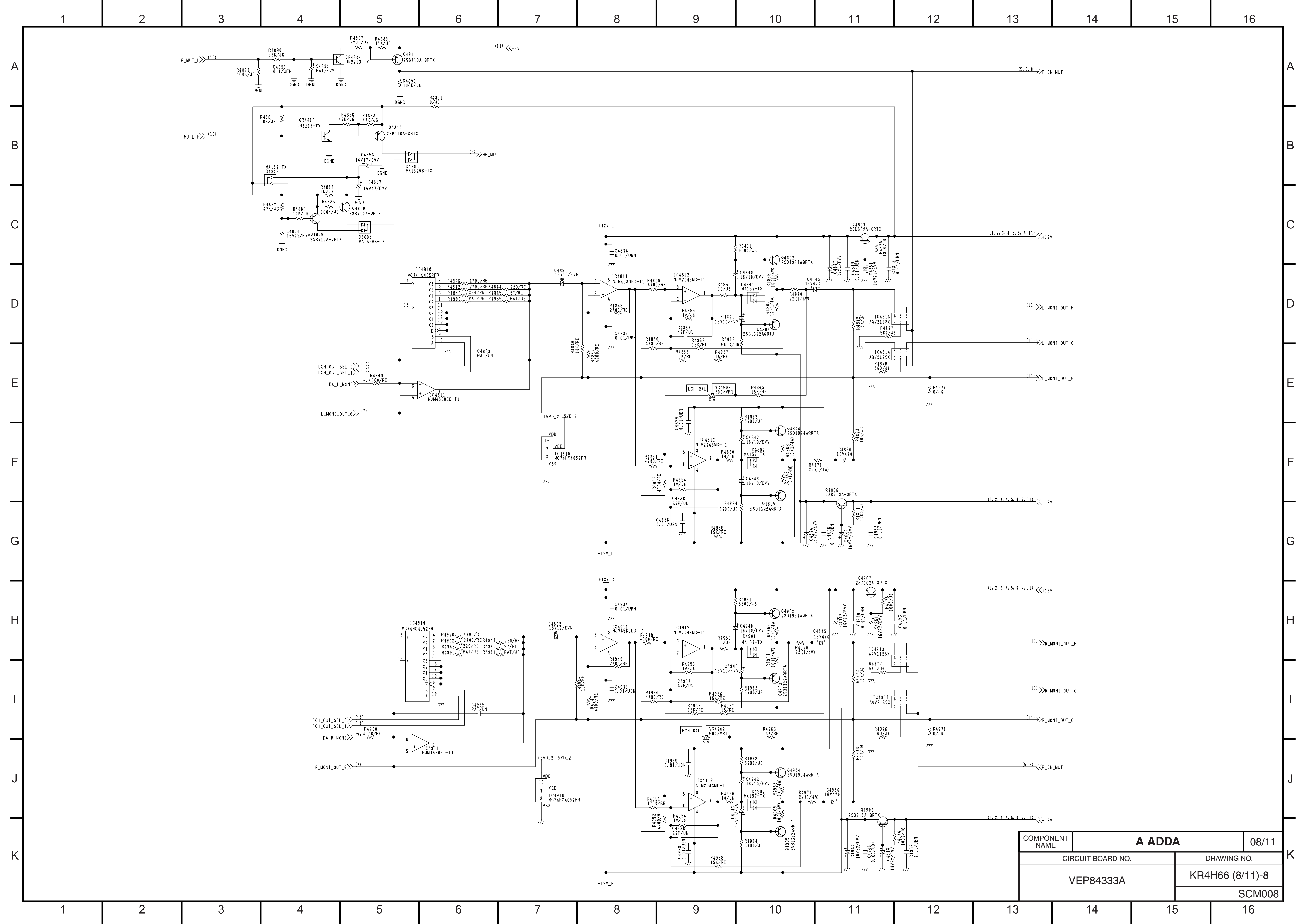
COMPONENT NAME	A ADDA	05/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP84333A		KR4H66 (5/11)-5
		SCM005


IC4608
MC74HC4052FR
R4626 4700/RE
R4637 2700/RE
R4639 220/RE
R4638 220/RE
R4640 27/RE
R4984 PAT/J6
R4985 PAT/J6
C4665 PAT/UN
R4600 4700/RE
DA_CH3
IC4609 NJM4580ED-T1
CH3_OUT_G
CH3_OUT_SEL_0
CH3_OUT_SEL_1
C4626 16V10/EVN
+12V_3
C4627 0.01/UBN
R4641 10K/RE
R4642 4700/RE
R4643 2700/RE
C4628 0.01/UBN
R4644 4700/RE
IC4610 NJM2043MD-T1
R4649 1M/J6
C4631 47P/UN
R4645 4700/RE
R4650 15K/RE
R4653 15/RE
R4654 15K/RE
R4652 10/J6
R4656 5600/J6
C4633 16V10/EVV
D4601 MA157-TX
C4634 16V10/EVV
R4657 5600/J6
Q4602 2SD1994AQRTA
Q4603 2SB1322AQRTA
R4661 10(1/4W)
R4662 10(1/4W)
R4665 22(1/4W)
C4637 16V470
Q4607 2SD602A-QRTX
R4670 1000/J6
C4640 16V22/EVV
C4642 0.01/UBN
C4644 16V22/EVV
C4646 0.01/UBN
C4648 16V47/EVV
(1,2,3,4,5,7,8,11) +12V
R4667 10K/J6
IC4611 AQV212SX
R4671 560/J6
(11) CH3_OUT_H
IC4612 AQV212SX
R4672 560/J6
(11) CH3_OUT_C
(11) CH3_OUT_G
R4673 0/J6
CH3 BAL
VR4602 500/VR1
CW
R4658 15K/RE
R4668 10K/J6
(5,8) P_ON_MUT
C4632 0.01/UBN
R4659 5600/J6
C4635 16V10/EVV
Q4604 2SD1994AQRTA
R4646 4700/RE
R4655 10/J6
D4602 MA157-TX
R4663 10(1/4W)
C4638 16V470
R4666 22(1/4W)
R4647 4700/RE
R4648 1M/J6
C4630 27P/UN
C4636 16V10/EVV
R4664 10(1/4W)
Q4605 2SB1322AQRTA
Q4606 2SB710A-QRTX
(1,2,3,4,5,7,8,11) -12V
R4669 1000/J6
C4629 0.01/UBN
R4651 15K/RE
R4660 5600/J6
C4639 16V22/EVV
C4641 0.01/UBN
C4643 16V22/EVV
C4645 0.01/UBN
C4647 16V47/EVV
-12V_3
+5VD_2
-5VD_2
VDD
VEE
VSS
IC4608 MC74HC4052FR
+12V_4
C4727 0.01/UBN
IC4708 MC74HC4052FR
C4726 16V10/EVN
IC4709 NJM4580ED-T1
R4726 4700/RE
R4737 2700/RE
R4739 220/RE
R4738 220/RE
R4740 27/RE
R4986 PAT/J6
R4987 PAT/J6
R4743 2700/RE
C4728 0.01/UBN
R4744 4700/RE
IC4710 NJM2043MD-T1
R4749 1M/J6
C4731 47P/UN
R4745 4700/RE
R4750 15K/RE
R4753 15/RE
R4754 15K/RE
R4752 10/J6
R4756 5600/J6
C4733 16V10/EVV
D4701 MA157-TX
C4734 16V10/EVV
R4757 5600/J6
Q4702 2SD1994AQRTA
Q4703 2SB1322AQRTA
R4761 10(1/4W)
R4762 10(1/4W)
R4765 22(1/4W)
C4737 16V470
Q4707 2SD602A-QRTX
R4770 1000/J6
C4740 16V22/EVV
C4742 0.01/UBN
C4744 16V22/EVV
C4746 0.01/UBN
R4767 10K/J6
IC4711 AQV212SX
R4771 560/J6
(11) CH4_OUT_H
IC4712 AQV212SX
R4772 560/J6
(11) CH4_OUT_C
(11) CH4_OUT_G
R4773 0/J6
C4765 PAT/UN
R4700 4700/RE
DA_CH4
R4741 10K/RE
R4742 4700/RE
CH4_OUT_G
CH4_OUT_SEL_0
CH4_OUT_SEL_1
CH4 BAL
VR4702 500/VR1
R4758 15K/RE
R4768 10K/J6
(5,8) P_ON_MUT
C4732 0.01/UBN
R4759 5600/J6
C4735 16V10/EVV
Q4704 2SD1994AQRTA
R4746 4700/RE
R4755 10/J6
D4702 MA157-TX
R4763 10(1/4W)
C4738 16V470
R4766 22(1/4W)
R4747 4700/RE
R4748 1M/J6
C4730 27P/UN
C4736 16V10/EVV
R4764 10(1/4W)
Q4705 2SB1322AQRTA
Q4706 2SB710A-QRTX
R4769 1000/J6
C4729 0.01/UBN
R4751 15K/RE
R4760 5600/J6
C4739 16V22/EVV
C4741 0.01/UBN
C4743 16V22/EVV
C4745 0.01/UBN
-12V_4

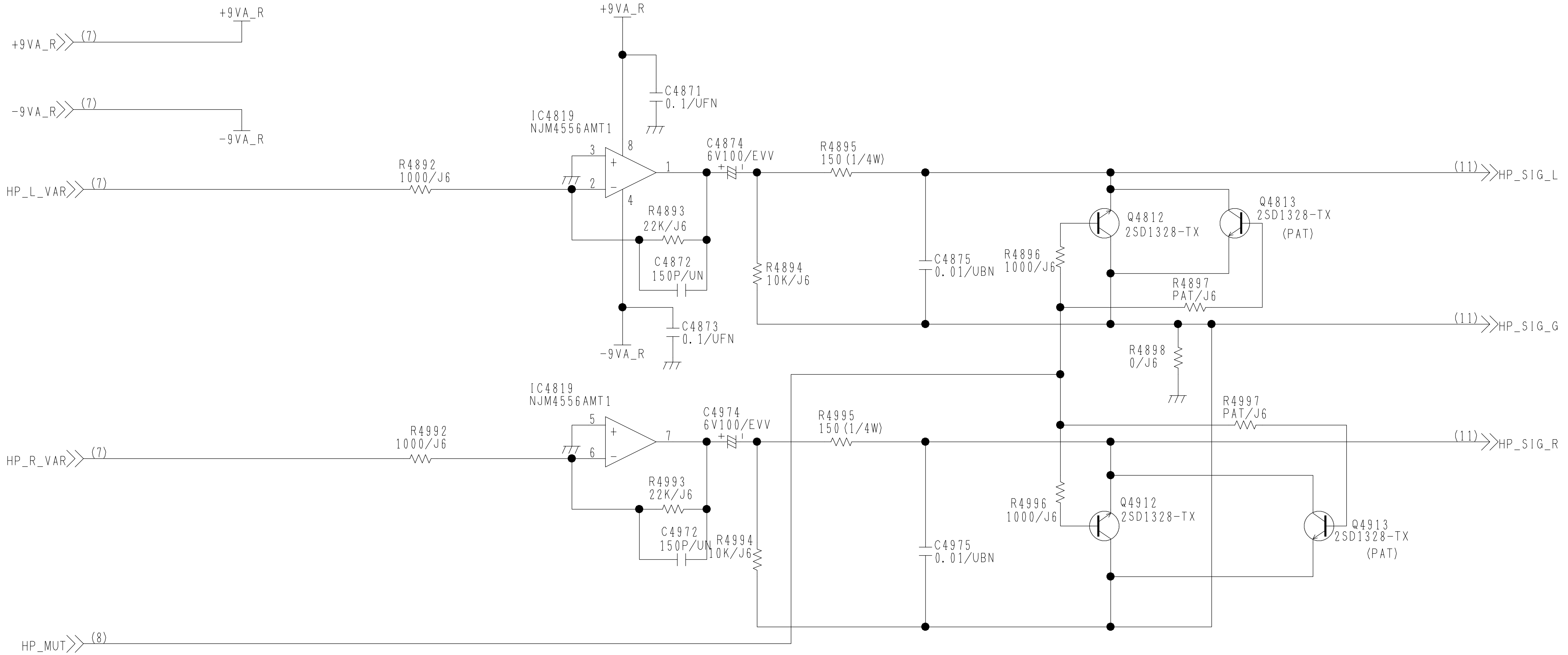
COMPONENT NAME	A ADDA	06/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP84333A		KR4H66 (6/11)-6
		SCM006


+12V
-12V
IC4815 NJM78L09UAT2
IC4817 NJM79L09UAT2
IC4816 NJM78L09UAT2
IC4818 NJM79L09UAT2
+9VA_L
-9VA_L
+9VA_R
-9VA_R
+7.5V
IC4801 NJM78L05UAT2
+5VC
+3V
IC4802 AK4393VF
DGND
MCK_DALR
BCK_DALR
DASDLR_A
DAPD_L
MCK_DALR
TP4801 EYF6CU
TP4802 EYF6CU
A_REC_VR[0-11]
IC4803 NJM2043MD-T1
IC4804 NJM4580ED-T1
IC4805 MC74HC4052FR
IC4806 AD7945BR-R
IC4807 NJM4580ED-T1
IC4808 NJM4580ED-T1
IC4809 M5203FP-T1
HP_L_VAR
DA_L_MONI
MONI_UNITY/VAR
L_MONI_OUT_G
LRCH_CS_N
DA_WR_N
LCH_DEMP_ON
REF_SEL_1
REF_SEL_0
L OUT LEVEL
TP4803 EYF6CU
IC4903 NJM2043MD-T1
IC4904 NJM4580ED-T1
IC4905 MC74HC4052FR
IC4906 AD7945BR-R
IC4907 NJM4580ED-T1
IC4908 NJM4580ED-T1
IC4909 M5203FP-T1
HP_R_VAR
DA_R_MONI
R_MONI_OUT_G
RCH_DEMP_ON
R OUT LEVEL
TP4903 EYF6CU
R4300 0/J6
+5VD_2
-5VD_2

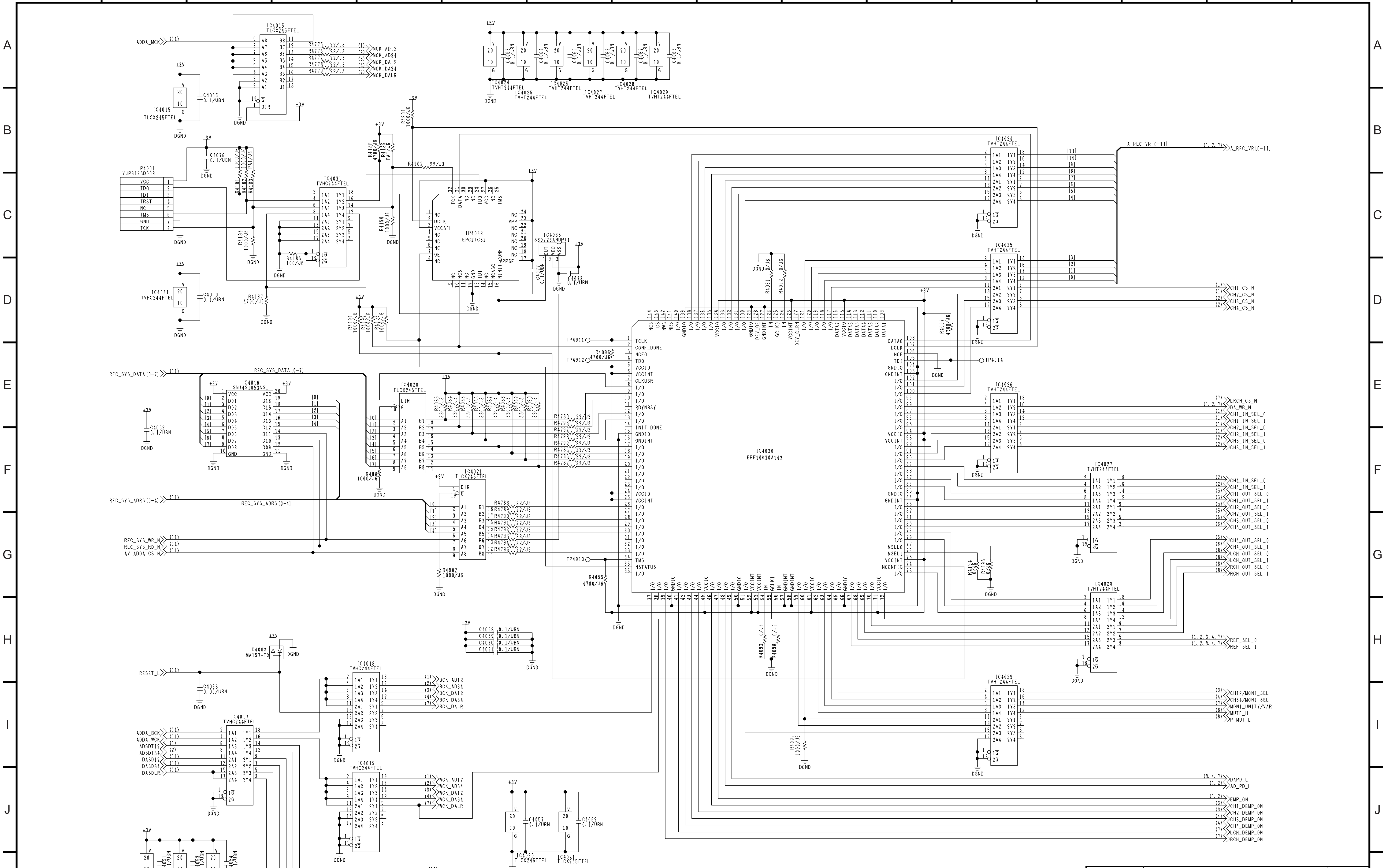
COMPONENT NAME	A ADDA	07/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP84333A		KR4H66 (7/11)-7
		SCM007


P_MUT_L
MUTE_H
HP_MUT
P_ON_MUT
+5V
+12V
-12V
+12V_L
-12V_L
+12V_R
-12V_R
DGND
QR4804 UN2213-TX
QR4803 UN2213-TX
Q4811 2SB710A-QRTX
Q4810 2SB710A-QRTX
Q4809 2SB710A-QRTX
Q4808 2SB710A-QRTX
D4803 MA157-TX
D4804 MA152WK-TX
D4805 MA152WK-TX
IC4810 MC74HC4052FR
IC4811 NJM4580ED-T1
IC4812 NJM2043MD-T1
IC4813 AQV212SX
IC4814 AQV212SX
Q4802 2SD1994AQRTA
Q4803 2SB1322AQRTA
Q4804 2SD1994AQRTA
Q4805 2SB1322AQRTA
Q4806 2SB710A-QRTX
Q4807 2SD602A-QRTX
D4801 MA157-TX
D4802 MA157-TX
LCH BAL
VR4802 500/VR1
LCH_OUT_SEL_0
LCH_OUT_SEL_1
DA_L_MONI
L_MONI_OUT_G
L_MONI_OUT_H
L_MONI_OUT_C
L_MONI_OUT_G
+5VD_2
-5VD_2
VDD
VEE
VSS
IC4910 MC74HC4052FR
IC4911 NJM4580ED-T1
IC4912 NJM2043MD-T1
IC4913 AQV212SX
IC4914 AQV212SX
Q4902 2SD1994AQRTA
Q4903 2SB1322AQRTA
Q4904 2SD1994AQRTA
Q4905 2SB1322AQRTA
Q4906 2SB710A-QRTX
Q4907 2SD602A-QRTX
D4901 MA157-TX
D4902 MA157-TX
RCH BAL
VR4902 500/VR1
RCH_OUT_SEL_0
RCH_OUT_SEL_1
DA_R_MONI
R_MONI_OUT_G
R_MONI_OUT_H
R_MONI_OUT_C
R_MONI_OUT_G
P_ON_MUT

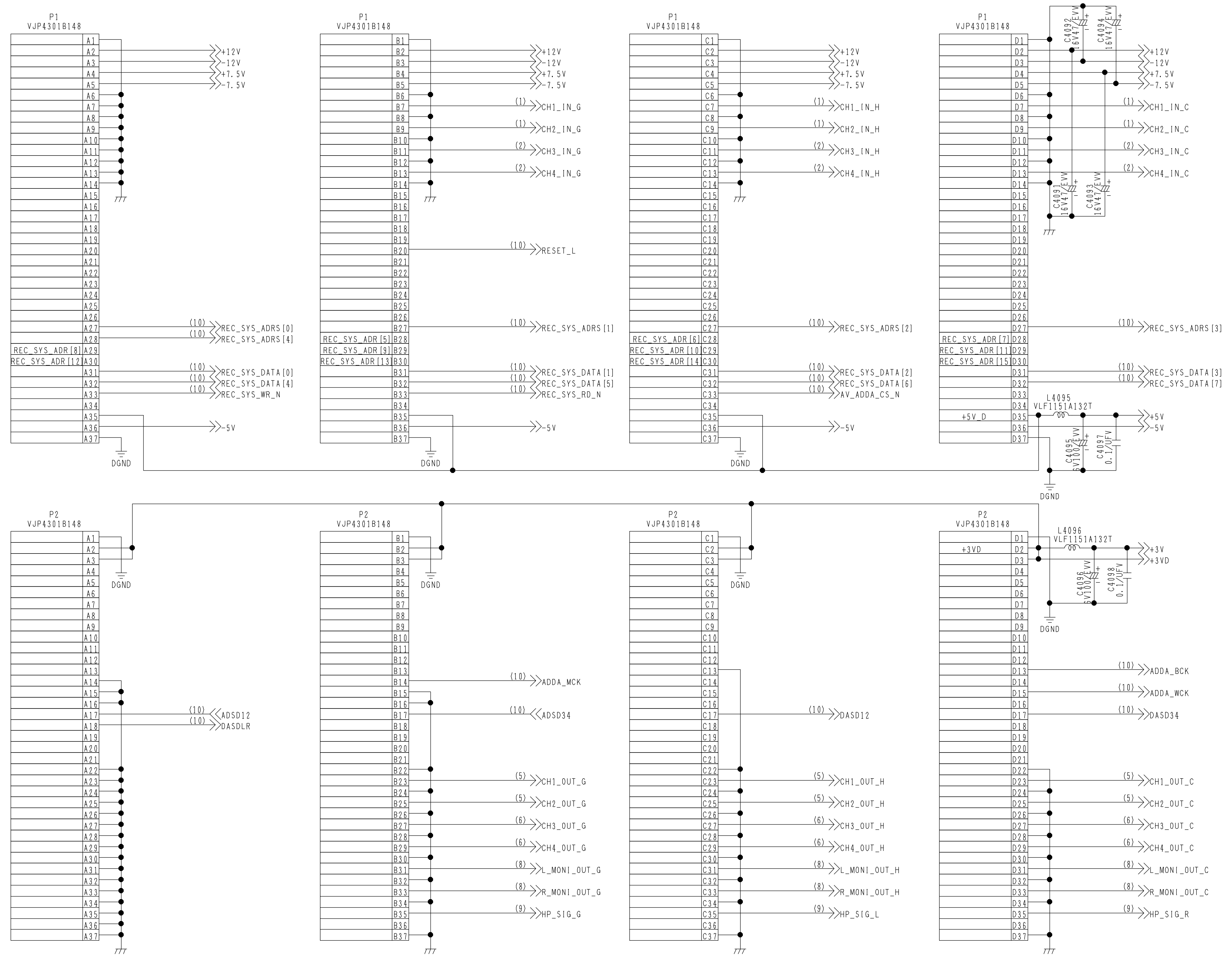
COMPONENT NAME	A ADDA	08/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84333A	KR4H66 (8/11)-8	
	SCM008	


+9VA_R
(7)
+9VA_R
-9VA_R
(7)
-9VA_R
HP_L_VAR
(7)
R4892
1000/J6
IC4819
NJM4556AMT1
+9VA_R
C4871
0.1/UFN
8
3
2
1
4
R4893
22K/J6
C4872
150P/UN
C4873
0.1/UFN
-9VA_R
C4874
6V100/EVV
R4894
10K/J6
R4895
150(1/4W)
C4875
0.01/UBN
R4896
1000/J6
Q4812
2SD1328-TX
Q4813
2SD1328-TX
(PAT)
R4897
PAT/J6
(11)
HP_SIG_L
(11)
HP_SIG_G
R4898
0/J6
IC4819
NJM4556AMT1
5
6
7
HP_R_VAR
(7)
R4992
1000/J6
R4993
22K/J6
C4972
150P/UN
R4994
10K/J6
C4974
6V100/EVV
R4995
150(1/4W)
C4975
0.01/UBN
R4996
1000/J6
Q4912
2SD1328-TX
R4997
PAT/J6
Q4913
2SD1328-TX
(PAT)
(11)
HP_SIG_R
HP_MUT
(8)

COMPONENT NAME	A ADDA	09/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84333A	KR4H66 (9/11)-9	
	SCM009	

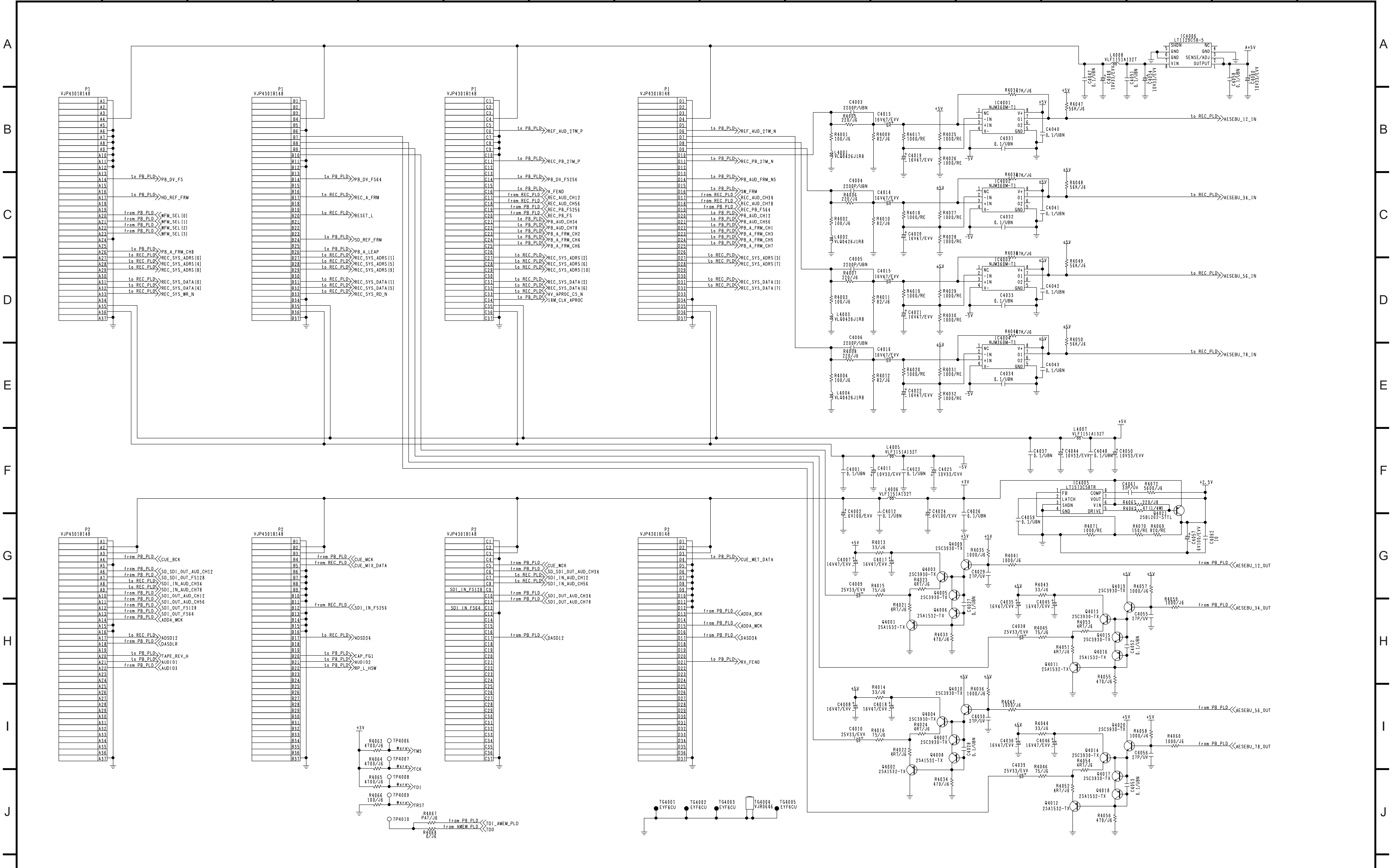

ADDA_MCK
IC4015 TLCX245FTEL
R4775 22/J3
R4776 22/J3
R4777 22/J3
R4778 22/J3
R4779 22/J3
MCK_AD12
MCK_AD34
MCK_DA12
MCK_DA34
MCK_DALR
C4055 0.1/UBN
IC4015 TLCX245FTEL
DGND
+3V
+5V
C4063 0.1/UBN
C4064 0.1/UBN
C4065 0.1/UBN
C4066 0.1/UBN
C4067 0.1/UBN
C4068 0.1/UBN
IC4024 TVHT244FTEL
IC4025 TVHT244FTEL
IC4026 TVHT244FTEL
IC4027 TVHT244FTEL
IC4028 TVHT244FTEL
IC4029 TVHT244FTEL
R4901 100/J6
R4188 4700/J6
R4189 PA1/J6
R4902 22/J3
C4076 0.1/UBN
P4001 VJP3125D008
VCC
TDO
TDI
TRST
NC
TMS
GND
TCK
IC4031 TVHC244FTEL
R4181 1000/J6
R4182 1000/J6
R4183 PA1/J6
R4184 1000/J6
R4185 100/J6
R4190 1000/J6
IP4032 EPC2TC32
DCLK
VCCSEL
OE
nCS
nCASC
nINIT_CONF
OPSEL
VPP
IC4033 S80726ANDPT1
C4077 0.1/UBN
C4073 0.1/UBN
C4070 0.1/UBN
IC4031 TVHC244FTEL
R4187 4700/J6
A_REC_VR[0-11]
R4091 0/J6
R4092 0/J6
R4097 4700/J6
CH1_CS_N
CH2_CS_N
CH3_CS_N
CH4_CS_N
R4191 1000/J6
R4192 1000/J6
R4193 1000/J6
TP4911
TP4912
TP4913
TP4914
R4096 4700/J6
R4095 4700/J6
TCLK
CONF_DONE
NCEO
TDO
VCCIO
VCCINT
CLKUSR
RDYNBSY
INIT_DONE
GNDIO
GNDINT
TMS
NSTATUS
DATA0
DCLK
NCE
TDI
MSEL0
MSEL1
NCONFIG
DEV_OE
GCLK0
GCLK1
DEV_CLRN
IC4030 EPF10K30A143
REC_SYS_DATA[0-7]
IC4016 SN74S1053NSL
IC4020 TLCX245FTEL
R4083 3300/J3
R4084 3300/J3
R4085 3300/J3
R4086 3300/J3
R4087 3300/J3
R4088 3300/J3
R4089 3300/J3
R4090 3300/J3
R4780 22/J3
R4781 22/J3
R4782 22/J3
R4783 22/J3
R4784 22/J3
R4785 22/J3
R4786 22/J3
R4787 22/J3
R4081 1000/J6
C4052 0.1/UBN
LRCH_CS_N
DA_WR_N
CH1_IN_SEL_0
CH1_IN_SEL_1
CH2_IN_SEL_0
CH2_IN_SEL_1
CH3_IN_SEL_0
CH3_IN_SEL_1
CH4_IN_SEL_0
CH4_IN_SEL_1
CH1_OUT_SEL_0
CH1_OUT_SEL_1
CH2_OUT_SEL_0
CH2_OUT_SEL_1
CH3_OUT_SEL_0
CH3_OUT_SEL_1
CH4_OUT_SEL_0
CH4_OUT_SEL_1
LCH_OUT_SEL_0
LCH_OUT_SEL_1
RCH_OUT_SEL_0
RCH_OUT_SEL_1
REC_SYS_ADRS[0-4]
IC4021 TLCX245FTEL
R4788 22/J3
R4789 22/J3
R4790 22/J3
R4791 22/J3
R4792 22/J3
R4793 22/J3
R4794 22/J3
R4795 22/J3
R4082 1000/J6
REC_SYS_WR_N
REC_SYS_RD_N
AV_ADDA_CS_N
R4194 0/J6
R4195 0/J6
R4093 0/J6
R4094 0/J6
R4098 1000/J6
REF_SEL_0
REF_SEL_1
C4058 0.1/UBN
C4059 0.1/UBN
C4060 0.1/UBN
C4061 0.1/UBN
D4003 MA157-TX
RESET_L
C4056 0.01/UBN
IC4018 TVHC244FTEL
BCK_AD12
BCK_AD34
BCK_DA12
BCK_DA34
BCK_DALR
IC4017 TVHC244FTEL
ADDA_BCK
ADDA_WCK
ADSDT12
ADSDT34
DASD12
DASD34
DASDLR
IC4019 TVHC244FTEL
WCK_AD12
WCK_AD34
WCK_DA12
WCK_DA34
WCK_DALR
CH12/MONI_SEL
CH34/MONI_SEL
MONI_UNITY/VAR
MUTE_H
P_MUT_L
DAPD_L
AD_PD_L
EMP_ON
CH1_DEMP_ON
CH2_DEMP_ON
CH3_DEMP_ON
CH4_DEMP_ON
LCH_DEMP_ON
RCH_DEMP_ON
C4057 0.1/UBN
C4062 0.1/UBN
IC4020 TLCX245FTEL
IC4021 TLCX245FTEL
C4051 0.1/UBN
C4053 0.1/UBN
C4054 0.1/UBN
IC4017 TVHC244FTEL
IC4018 TVHC244FTEL
IC4019 TVHC244FTEL
ADSD12
ADSD34
DASD12_A
DASD34_B
DASDLR_A
DASDLR_B
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

COMPONENT NAME	A ADDA	10/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84333A	KR4H66 (10/11)-10	
	SCM010	

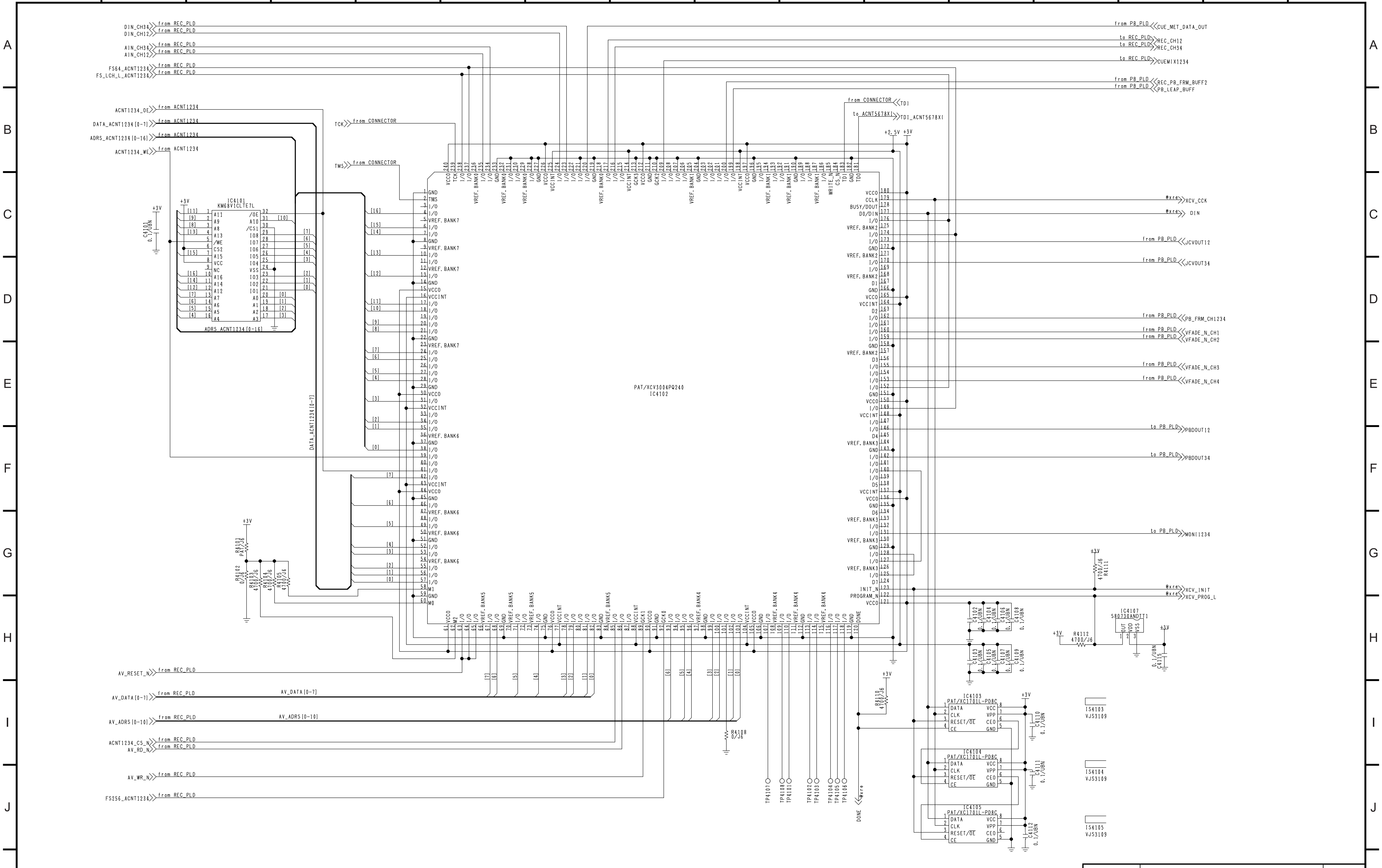


P1
VJP4301B148
A1–A37
B1–B37
C1–C37
D1–D37
+12V
-12V
+7.5V
-7.5V
(1) CH1_IN_G
(1) CH2_IN_G
(2) CH3_IN_G
(2) CH4_IN_G
(1) CH1_IN_H
(1) CH2_IN_H
(2) CH3_IN_H
(2) CH4_IN_H
(1) CH1_IN_C
(1) CH2_IN_C
(2) CH3_IN_C
(2) CH4_IN_C
C4092 16V47/EVV
C4094 16V47/EVV
C4091 16V47/EVV
C4093 16V47/EVV
(10) RESET_L
(10) REC_SYS_ADRS[0]
(10) REC_SYS_ADRS[4]
(10) REC_SYS_ADRS[1]
(10) REC_SYS_ADRS[2]
(10) REC_SYS_ADRS[3]
REC_SYS_ADR[8]
REC_SYS_ADR[12]
REC_SYS_ADR[5]
REC_SYS_ADR[9]
REC_SYS_ADR[13]
REC_SYS_ADR[6]
REC_SYS_ADR[10]
REC_SYS_ADR[14]
REC_SYS_ADR[7]
REC_SYS_ADR[11]
REC_SYS_ADR[15]
(10) REC_SYS_DATA[0]
(10) REC_SYS_DATA[4]
(10) REC_SYS_WR_N
(10) REC_SYS_DATA[1]
(10) REC_SYS_DATA[5]
(10) REC_SYS_RD_N
(10) REC_SYS_DATA[2]
(10) REC_SYS_DATA[6]
(10) AV_ADDA_CS_N
(10) REC_SYS_DATA[3]
(10) REC_SYS_DATA[7]
-5V
+5V_D
L4095
VLF1151A132T
+5V
-5V
C4095 6V100/EVV
C4097 0.1/UFV
DGND
P2
VJP4301B148
+3VD
L4096
VLF1151A132T
+3V
+3VD
C4096 6V100/EVV
C4098 0.1/UFV
(10) ADDA_MCK
(10) ADSD34
(10) ADSD12
(10) DASDLR
(10) DASD12
(10) ADDA_BCK
(10) ADDA_WCK
(10) DASD34
(5) CH1_OUT_G
(5) CH2_OUT_G
(6) CH3_OUT_G
(6) CH4_OUT_G
(8) L_MONI_OUT_G
(8) R_MONI_OUT_G
(9) HP_SIG_G
(5) CH1_OUT_H
(5) CH2_OUT_H
(6) CH3_OUT_H
(6) CH4_OUT_H
(8) L_MONI_OUT_H
(8) R_MONI_OUT_H
(9) HP_SIG_L
(5) CH1_OUT_C
(5) CH2_OUT_C
(6) CH3_OUT_C
(6) CH4_OUT_C
(8) L_MONI_OUT_C
(8) R_MONI_OUT_C
(9) HP_SIG_R

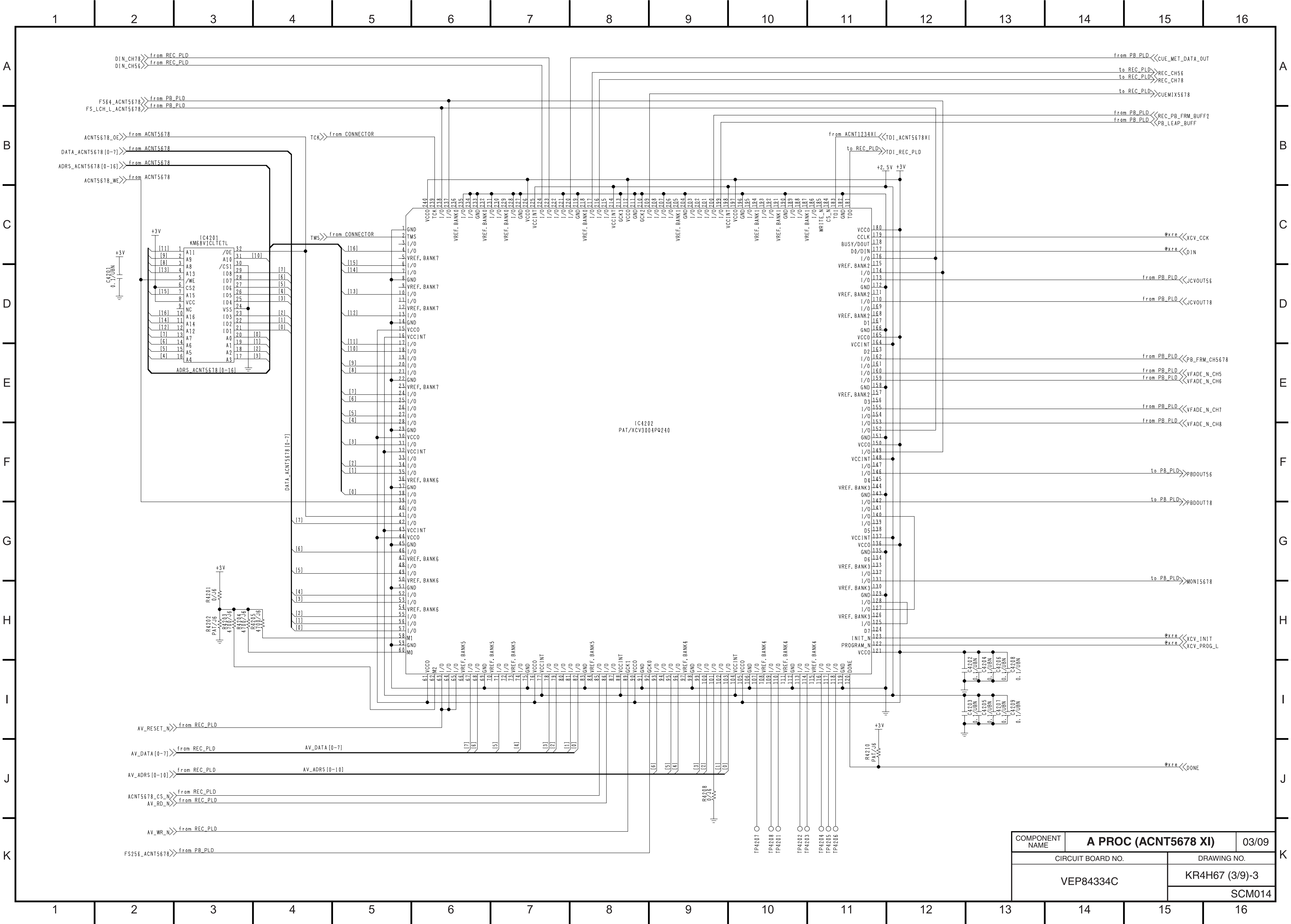
COMPONENT NAME	A ADDA	11/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84333A	KR4H66 (11/11)-11	
	SCM011	


P1 VJP4301B148
P2 VJP4301B148
PB_DV_FS
HD_REF_FRM
WFM_SEL[0]
WFM_SEL[1]
WFM_SEL[2]
WFM_SEL[3]
PB_A_FRM_CH8
REC_SYS_ADRS[0]
REC_SYS_ADRS[4]
REC_SYS_ADRS[8]
REC_SYS_DATA[0]
REC_SYS_DATA[4]
REC_SYS_WR_N
PB_DV_FS64
REC_A_FRM
RESET_L
SD_REF_FRM
PB_A_LEAP
REC_SYS_RD_N
REF_AUD_27M_P
REC_PB_27M_P
PB_DV_FS256
A_FEND
AV_APROC_CS_N
18M_CLK_APROC
REF_AUD_27M_N
REC_PB_27M_N
PB_AUD_FRM_NS
AESEBU_12_IN
AESEBU_34_IN
AESEBU_56_IN
AESEBU_78_IN
IC4001 NJM360M-T1
IC4002 NJM360M-T1
IC4003 NJM360M-T1
IC4004 NJM360M-T1
IC4006 LT1129CS8-5
IC4005 LT1513CS8TR
CUE_BCK
CUE_MCK
CUE_MIX_DATA
CUE_WCK
CUE_MET_DATA
SDI_IN_FS256
ADDA_BCK
ADDA_WCK
DASD34
DASD12
ADSD34
ADSD12
TAPE_REV_H
CAP_FG1
RP_L_HSW
RX_FEND
AESEBU_12_OUT
AESEBU_34_OUT
AESEBU_56_OUT
AESEBU_78_OUT
TMS
TCK
TDI
TRST
TDI_AMEM_PLD
TDO
TG4001
TG4002
TG4003
TG4004
TG4005
+5V
-5V
+3V
+2.5V
A+5V

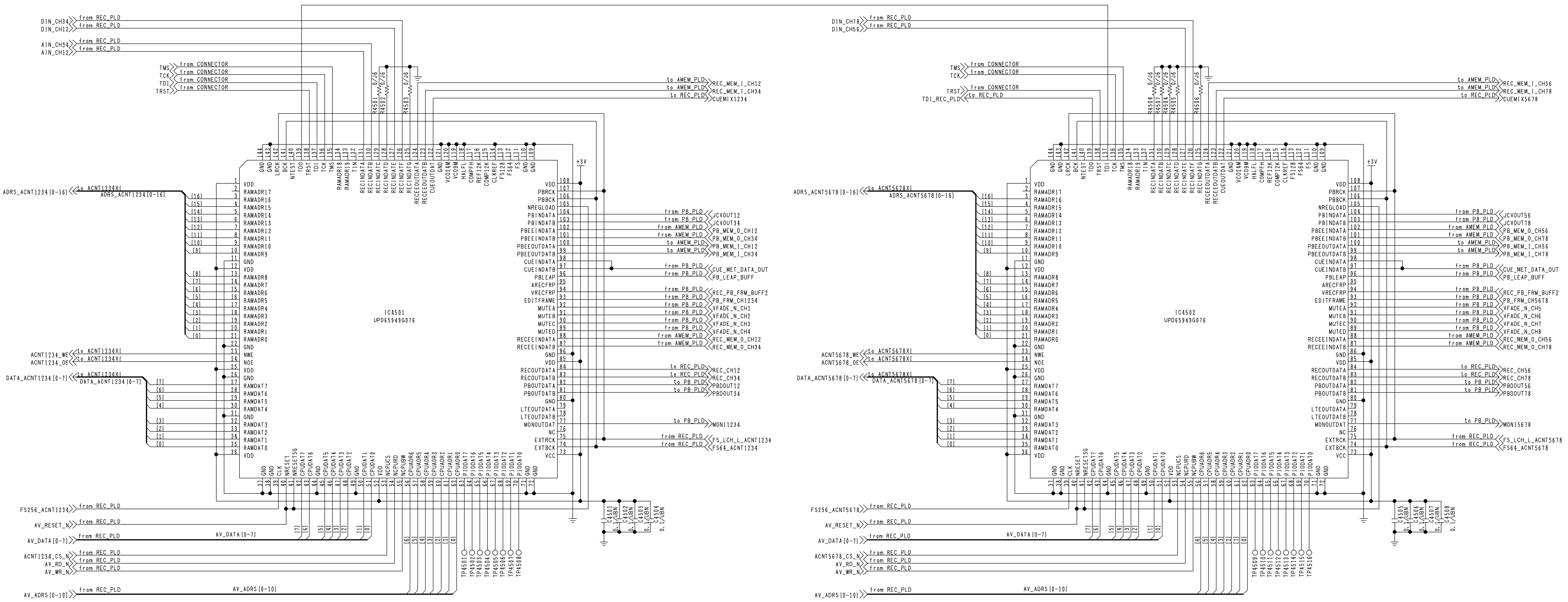
COMPONENT NAME	A PROC (CONNECTOR)		01/09
CIRCUIT BOARD NO.		DRAWING NO.	
VEP84334C		KR4H67 (1/9)	
		SCM012	


DIN_CH34 from REC_PLD
DIN_CH12 from REC_PLD
AIN_CH34 from REC_PLD
AIN_CH12 from REC_PLD
FS64_ACNT1234 from REC_PLD
FS_LCH_L_ACNT1234 from REC_PLD
ACNT1234_OE from ACNT1234
DATA_ACNT1234[0-7] from ACNT1234
ADRS_ACNT1234[0-16] from ACNT1234
ACNT1234_WE from ACNT1234
TCK from CONNECTOR
TMS from CONNECTOR
from PB_PLD CUE_MET_DATA_OUT
to REC_PLD REC_CH12
to REC_PLD REC_CH34
to REC_PLD CUEMIX1234
from PB_PLD REC_PB_FRM_BUFF2
from PB_PLD PB_LEAP_BUFF
from CONNECTOR TDI
to ACNT5678XI TDI_ACNT5678XI
+2.5V
+3V
IC4101
KM68V1CLTE7L
C4101 0.1/UBN
ADRS_ACNT1234[0-16]
DATA_ACNT1234[0-7]
PAT/XCV3004PQ240
IC4102
@xre XCV_CCK
@xre DIN
from PB_PLD JCVOUT12
from PB_PLD JCVOUT34
from PB_PLD PB_FRM_CH1234
from PB_PLD VFADE_N_CH1
from PB_PLD VFADE_N_CH2
from PB_PLD VFADE_N_CH3
from PB_PLD VFADE_N_CH4
to PB_PLD PBDOUT12
to PB_PLD PBDOUT34
to PB_PLD MONI1234
@xre XCV_INIT
@xre XCV_PROG_L
R4101 PAT/26
R4102 0/J6
R4103 4700/J6
R4104 4700/J6
R4105 4700/J6
R4111 4700/J6
R4112 4700/J6
R4110 4700/J6
R4108 0/J6
C4102 0.1/UBN
C4103 0.1/UBN
C4104 0.1/UBN
C4105 0.1/UBN
C4106 0.1/UBN
C4107 0.1/UBN
C4108 0.1/UBN
C4109 0.1/UBN
C4110 0.1/UBN
C4111 0.1/UBN
C4112 0.1/UBN
C4115 0.1/UBN
IC4107
S80730ANDTT1
IC4103 PAT/XC1701L-PD8C
IC4104 PAT/XC1701L-PD8C
IC4105 PAT/XC1701L-PD8C
DATA CLK RESET/OE CE VCC VPP CEO GND
IS4103 VJS3109
IS4104 VJS3109
IS4105 VJS3109
AV_RESET_N from REC_PLD
AV_DATA[0-7] from REC_PLD
AV_DATA[0-7]
AV_ADRS[0-10] from REC_PLD
AV_ADRS[0-10]
ACNT1234_CS_N from REC_PLD
AV_RD_N from REC_PLD
AV_WR_N from REC_PLD
FS256_ACNT1234 from REC_PLD
TP4107 TP4108 TP4101 TP4102 TP4103 TP4104 TP4105 TP4106
DONE @xre

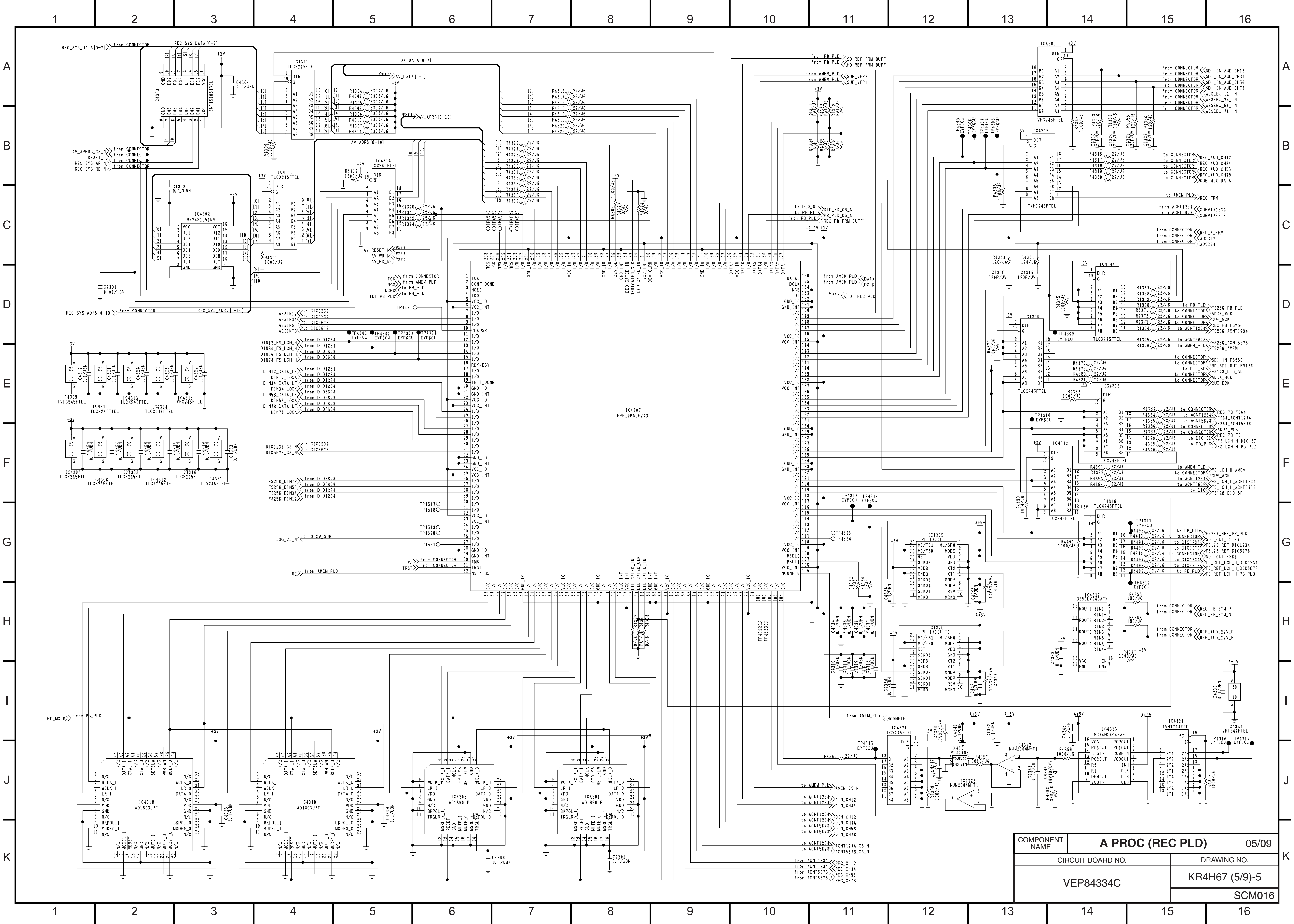
COMPONENT NAME	A PROC(ACNT1234 XI)	02/09
CIRCUIT BOARD NO.		DRAWING NO.
VEP84334C		KR4H67 (2/9)-2
		SCM013


DIN_CH78 from REC_PLD
DIN_CH56 from REC_PLD
FS64_ACNT5678 from PB_PLD
FS_LCH_L_ACNT5678 from PB_PLD
ACNT5678_OE from ACNT5678
DATA_ACNT5678[0-7] from ACNT5678
ADRS_ACNT5678[0-16] from ACNT5678
ACNT5678_WE from ACNT5678
TCK from CONNECTOR
TMS from CONNECTOR
IC4201
KM68V1CLTE7L
C4201
0.1/UBN
+3V
ADRS_ACNT5678[0-16]
DATA_ACNT5678[0-7]
IC4202
PAT/XCV3004PQ240
R4201
0/J6
R4202
PAT/J6
R4203
R4204
R4205
470/J6
CUE_MET_DATA_OUT from PB_PLD
REC_CH56 to REC_PLD
REC_CH78 to REC_PLD
CUEMIX5678 to REC_PLD
REC_PB_FRM_BUFF2 from PB_PLD
PB_LEAP_BUFF from PB_PLD
TDI_ACNT5678XI from ACNT1234XI
TDI_REC_PLD to REC_PLD
+2.5V
+3V
XCV_CCK @xre
DIN @xre
JCVOUT56 from PB_PLD
JCVOUT78 from PB_PLD
PB_FRM_CH5678 from PB_PLD
VFADE_N_CH5 from PB_PLD
VFADE_N_CH6 from PB_PLD
VFADE_N_CH7 from PB_PLD
VFADE_N_CH8 from PB_PLD
PBDOUT56 to PB_PLD
PBDOUT78 to PB_PLD
MONI5678 to PB_PLD
XCV_INIT @xre
XCV_PROG_L @xre
DONE @xre
C4202
C4203
C4204
C4205
C4206
C4207
C4208
C4209
0.1/UBN
R4210
PAT/J6
R4208
0/J6
AV_RESET_N from REC_PLD
AV_DATA[0-7] from REC_PLD
AV_DATA[0-7]
AV_ADRS[0-10] from REC_PLD
AV_ADRS[0-10]
ACNT5678_CS_N from REC_PLD
AV_RD_N from REC_PLD
AV_WR_N from REC_PLD
FS256_ACNT5678 from PB_PLD
TP4207
TP4208
TP4201
TP4202
TP4203
TP4204
TP4205
TP4206

COMPONENT NAME	A PROC (ACNT5678 XI)	03/09
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84334C	KR4H67 (3/9)-3	
	SCM014	


IC4501
UPD65949G076
IC4502
UPD65949G076
DIN_CH34
DIN_CH12
AIN_CH34
AIN_CH12
DIN_CH78
DIN_CH56
from REC_PLD
TMS
TCK
TDI
TRST
from CONNECTOR
TDI_REC_PLD
to REC_PLD
REC_MEM_I_CH12
REC_MEM_I_CH34
CUEMIX1234
REC_MEM_I_CH56
REC_MEM_I_CH78
CUEMIX5678
to AMEM_PLD
ADRS_ACNT1234[0-16]
to ACNT1234XI
ADRS_ACNT5678[0-16]
to ACNT5678XI
ACNT1234_WE
ACNT1234_OE
ACNT5678_WE
ACNT5678_OE
DATA_ACNT1234[0-7]
DATA_ACNT5678[0-7]
JCVOUT12
JCVOUT34
JCVOUT56
JCVOUT78
from PB_PLD
from AMEM_PLD
PB_MEM_O_CH12
PB_MEM_O_CH34
PB_MEM_I_CH12
PB_MEM_I_CH34
PB_MEM_O_CH56
PB_MEM_O_CH78
PB_MEM_I_CH56
PB_MEM_I_CH78
CUE_MET_DATA_OUT
PB_LEAP_BUFF
REC_PB_FRM_BUFF2
PB_FRM_CH1234
PB_FRM_CH5678
VFADE_N_CH1
VFADE_N_CH2
VFADE_N_CH3
VFADE_N_CH4
VFADE_N_CH5
VFADE_N_CH6
VFADE_N_CH7
VFADE_N_CH8
REC_MEM_O_CH12
REC_MEM_O_CH34
REC_MEM_O_CH56
REC_MEM_O_CH78
REC_CH12
REC_CH34
REC_CH56
REC_CH78
to PB_PLD
PBDOUT12
PBDOUT34
PBDOUT56
PBDOUT78
MON1234
MON5678
FS_LCH_L_ACNT1234
FS64_ACNT1234
FS_LCH_L_ACNT5678
FS64_ACNT5678
FS256_ACNT1234
FS256_ACNT5678
AV_RESET_N
AV_DATA[0-7]
ACNT1234_CS_N
ACNT5678_CS_N
AV_RD_N
AV_WR_N
AV_ADRS[0-10]
+3V
R4501
R4502
R4503
R4504
R4505
R4506
R4507
R4508
0/16
C4501
C4502
C4503
C4504
C4505
C4506
C4507
C4508
0.1/UBN
TP4501
TP4502
TP4503
TP4504
TP4505
TP4506
TP4507
TP4508
TP4509
TP4510
TP4511
TP4512
TP4513
TP4514
TP4515
TP4516
VDD
GND
RAMADR17
RAMADR16
RAMADR15
RAMADR14
RAMADR13
RAMADR12
RAMADR11
RAMADR10
RAMADR9
RAMADR8
RAMADR7
RAMADR6
RAMADR5
RAMADR4
RAMADR3
RAMADR2
RAMADR1
RAMADR0
NWE
NOE
RAMDAT7
RAMDAT6
RAMDAT5
RAMDAT4
RAMDAT3
RAMDAT2
RAMDAT1
RAMDAT0
PBRCK
PBBCK
NREGLOAD
PBINDATA
PBINDATB
PBEEINDATA
PBEEINDATB
PBEEOUTDATA
PBEEOUTDATB
CUEINDATA
CUEINDATB
PBLEAP
ARECFRP
VRECFRP
EDITFRAME
MUTEA
MUTEB
MUTEC
MUTED
RECEEINDATA
RECEEINDATB
RECOUTDATA
RECOUTDATB
PBOUTDATA
PBOUTDATB
LTEOUTDATA
LTEOUTDATB
MONOUTDAT
NC
EXTRCK
EXTBCK
VCC
CLK
NRESET
NRESETSG
CPUDAT7
CPUDAT6
CPUDAT5
CPUDAT4
CPUDAT3
CPUDAT2
CPUDAT1
CPUDAT0
NCPUCS
NCPURD
NCPUWR
CPUADR6
CPUADR5
CPUADR4
CPUADR3
CPUADR2
CPUADR1
CPUADR0
PIODAT7
PIODAT6
PIODAT5
PIODAT4
PIODAT3
PIODAT2
PIODAT1
PIODAT0
LRCK
BCK
NTEST
TDO
RAMADR18
RAMADR19
TIN
RECINDATA
RECINDATB
RECINDATC
RECINDATD
RECINDATE
RECINDATF
RECINDATG
RECINDATH
RECEEOUTDATA
RECEEOUTDATB
CUEOUTDAT
VCO24M
VCO9M
HALFL
COMPFH
REF12K
COMP12K
CLKREF
FS128
FS64
FS

COMPONENT NAME	A PROC (ACNT)	04/09
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84334C	KR4H67 (4/9)-4	
	SCM015	

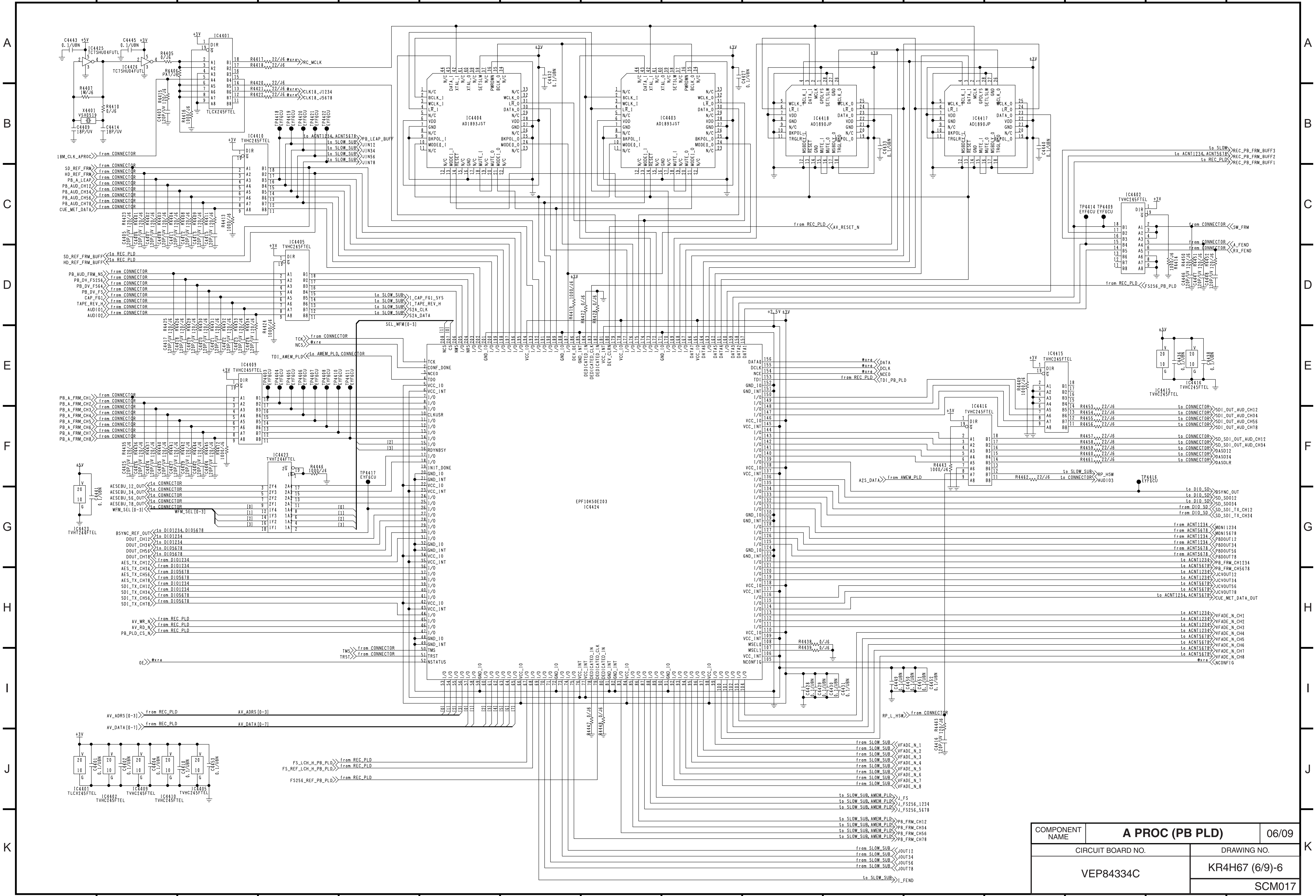

IC4307
EPF10K50E203
IC4303
SN74S1051NSL
IC4302
SN74S1051NSL
IC4311
TLCX245FTEL
IC4313
TLCX245FTEL
IC4314
TLCX245FTEL
IC4309
TVHC245FTEL
IC4315
TVHC245FTEL
IC4304
TLCX245FTEL
IC4306
TLCX245FTEL
IC4308
TLCX245FTEL
IC4312
TLCX245FTEL
IC4316
TLCX245FTEL
IC4319
PLL1700E-T1
IC4320
PLL1700E-T1
IC4317
DS90LV048ATX
IC4318
AD1893JST
IC4310
AD1893JST
IC4305
AD1890JP
IC4301
AD1890JP
IC4321
TLCX245FTEL
IC4322
NJM2904M-T1
X4301
VSX0968
IC4323
MC74HC4046AF
IC4324
TVHT244FTEL
REC_SYS_DATA[0-7]
AV_DATA[0-7]
AV_ADRS[0-10]
REC_SYS_ADRS[0-10]
AV_APROC_CS_N
RESET_L
REC_SYS_WR_N
REC_SYS_RD_N
RC_MCLK
+3V
A+5V

COMPONENT NAME
A PROC (REC PLD)
05/09

CIRCUIT BOARD NO.
VEP84334C

DRAWING NO.
KR4H67 (5/9)-5

SCM016


1
2
3
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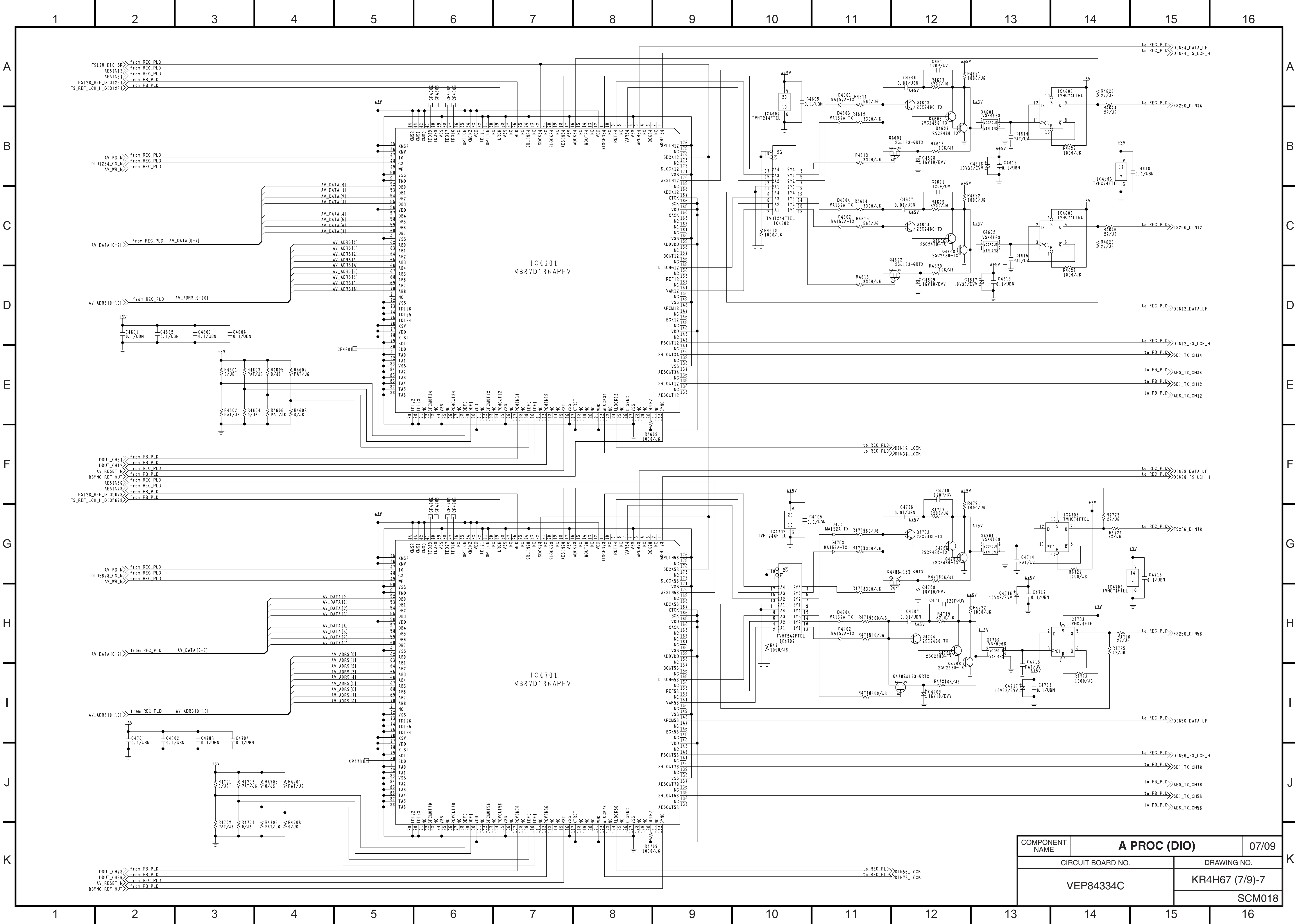
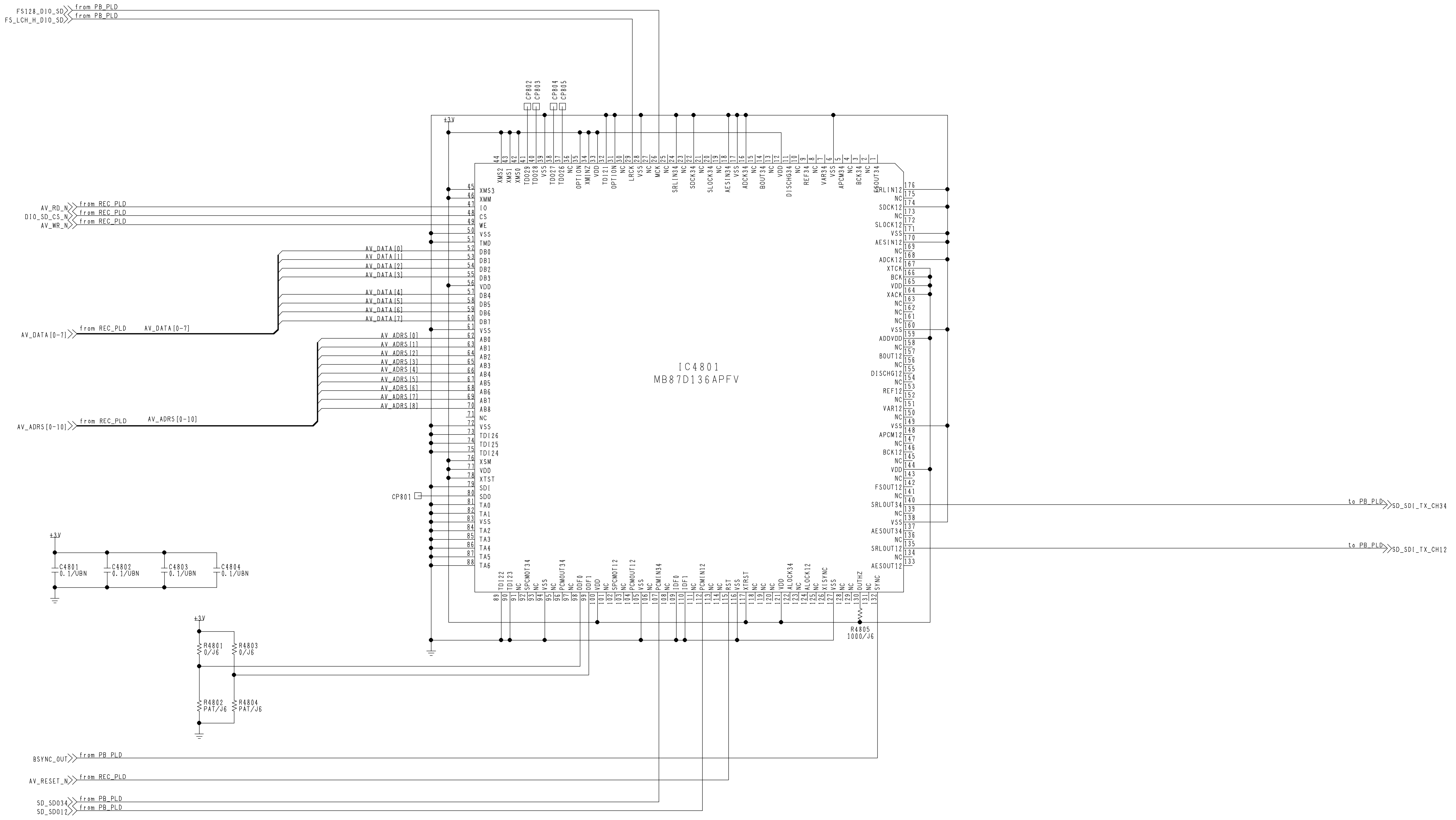
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
IC4401
TLCX245FTEL
IC4425
TC7SHU04FUTL
IC4426
TC7SHU04FUTL
X4401
VSX0519
RC_MCLK
CLK18_J1234
CLK18_J5678
IC4410
TVHC245FTEL
18M_CLK_APROC
from CONNECTOR
SD_REF_FRM
HD_REF_FRM
PB_A_LEAP
PB_AUD_CH12
PB_AUD_CH34
PB_AUD_CH56
PB_AUD_CH78
CUE_MET_DATA
PB_LEAP_BUFF
JIN12
JIN34
JIN56
JIN78
to ACNT1234, ACNT5678
to SLOW_SUB
IC4404
AD1893JST
IC4403
AD1893JST
IC4418
AD1890JP
IC4417
AD1890JP
IC4405
TVHC245FTEL
SD_REF_FRM_BUFF
HD_REF_FRM_BUFF
to REC_PLD
PB_AUD_FRM_NS
PB_DV_FS256
PB_DV_FS64
PB_DV_FS
CAP_FG
TAPE_REV_H
AUDIO1
AUDIO2
I_CAP_FG1_SYS
I_TAPE_REV_H
S2A_CLK
S2A_DATA
SEL_WFM[0-3]
TCK
NCS
TDI_AMEM_PLD
to AMEM_PLD, CONNECTOR
IC4409
TVHC245FTEL
PB_A_FRM_CH1
PB_A_FRM_CH2
PB_A_FRM_CH3
PB_A_FRM_CH4
PB_A_FRM_CH5
PB_A_FRM_CH6
PB_A_FRM_CH7
PB_A_FRM_CH8
IC4423
TVHT244FTEL
AESEBU_12_OUT
AESEBU_34_OUT
AESEBU_56_OUT
AESEBU_78_OUT
WFM_SEL[0-3]
to CONNECTOR
IC4422
TVHT244FTEL
BSYNC_REF_OUT
to DIO1234, DIO5678
DOUT_CH12
DOUT_CH34
DOUT_CH56
DOUT_CH78
AES_TX_CH12
AES_TX_CH34
AES_TX_CH56
AES_TX_CH78
SDI_TX_CH12
SDI_TX_CH34
SDI_TX_CH56
SDI_TX_CH78
from DIO1234
from DIO5678
AV_WR_N
AV_RD_N
PB_PLD_CS_N
from REC_PLD
TMS
TRST
from CONNECTOR
OE
@xre
EPF10K50E203
IC4424
AV_ADRS[0-3]
AV_DATA[0-1]
AV_ADRS[0-3]
AV_DATA[0-7]
IC4401
TLCX245FTEL
IC4402
TVHC245FTEL
IC4409
TVHC245FTEL
IC4410
TVHC245FTEL
IC4405
TVHC245FTEL
FS_LCH_H_PB_PLD
FS_REF_LCH_H_PB_PLD
FS256_REF_PB_PLD
IC4402
TVHC245FTEL
TP4414
TP4409
EYF6CU
SW_FRM
A_FEND
RX_FEND
F5256_PB_PLD
REC_PB_FRM_BUFF3
REC_PB_FRM_BUFF2
REC_PB_FRM_BUFF1
to SLOW
to ACNT1234, ACNT5678
to REC_PLD
from REC_PLD
AV_RESET_N
DATA
DCLK
NCEO
TDI_PB_PLD
IC4415
TVHC245FTEL
IC4416
TVHC245FTEL
SDI_OUT_AUD_CH12
SDI_OUT_AUD_CH34
SDI_OUT_AUD_CH56
SDI_OUT_AUD_CH78
SD_SDI_OUT_AUD_CH12
SD_SDI_OUT_AUD_CH34
DASD12
DASD34
DASDLR
RP_HSW
AUDIO3
A2S_DATA
from AMEM_PLD
TP4416
EYF6CU
BSYNC_OUT
SD_SDO12
SD_SDO34
SD_SDI_TX_CH12
SD_SDI_TX_CH34
to DIO_SD
from DIO_SD
MONI1234
MONI5678
PBDOUT12
PBDOUT34
PBDOUT56
PBDOUT78
PB_FRM_CH1234
PB_FRM_CH5678
JCVOUT12
JCVOUT34
JCVOUT56
JCVOUT78
CUE_MET_DATA_OUT
from ACNT1234
from ACNT5678
to ACNT1234
to ACNT5678
to ACNT1234, ACNT5678
VFADE_N_CH1
VFADE_N_CH2
VFADE_N_CH3
VFADE_N_CH4
VFADE_N_CH5
VFADE_N_CH6
VFADE_N_CH7
VFADE_N_CH8
NCONFIG
RP_L_HSW
from CONNECTOR
VFADE_N_1
VFADE_N_2
VFADE_N_3
VFADE_N_4
VFADE_N_5
VFADE_N_6
VFADE_N_7
VFADE_N_8
from SLOW_SUB
I_FS
J_FS256_1234
J_FS256_5678
to SLOW_SUB, AMEM_PLD
PB_FRM_CH12
PB_FRM_CH34
PB_FRM_CH56
PB_FRM_CH78
JOUT12
JOUT34
JOUT56
JOUT78
I_FEND
to SLOW_SUB
+3V
+5V
+2.5V

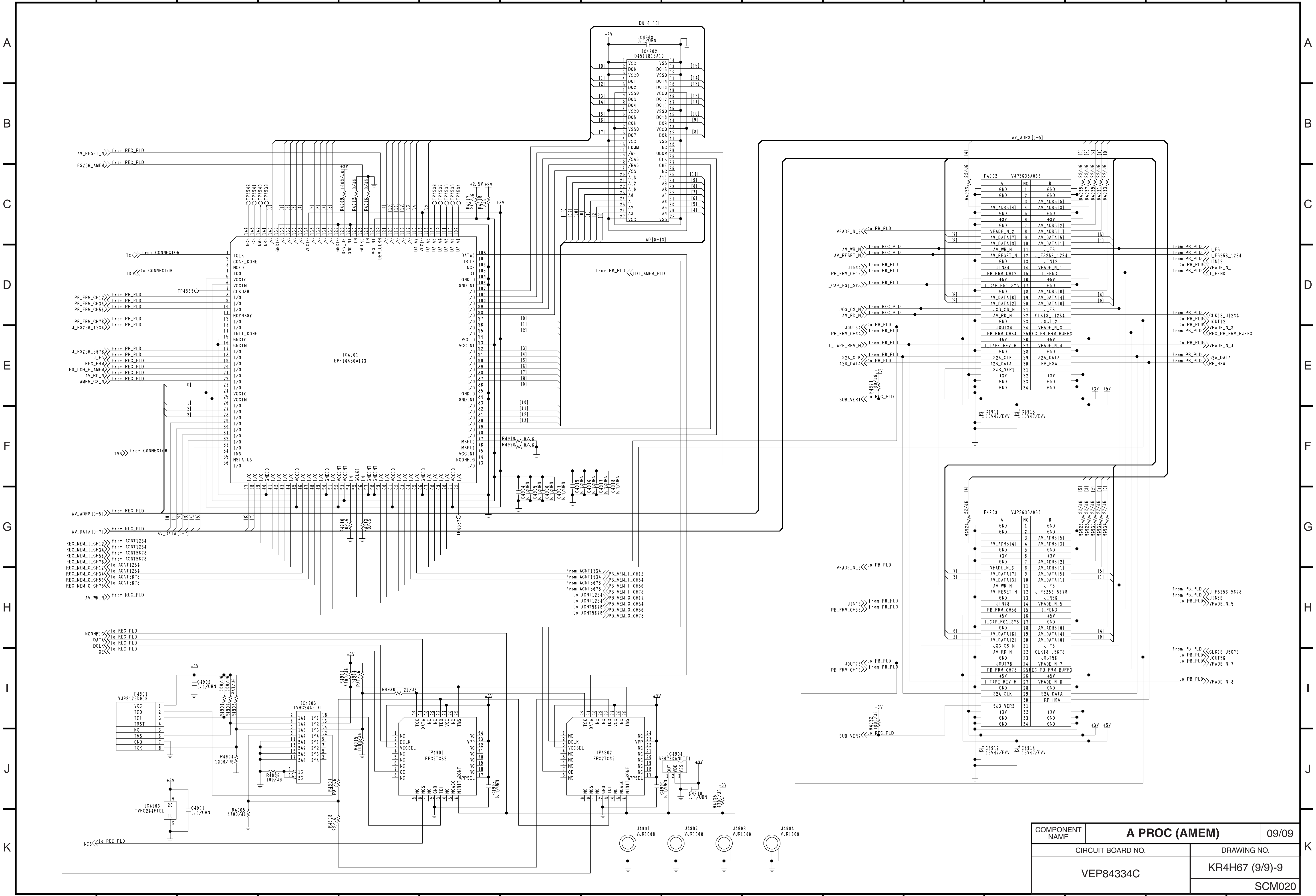
COMPONENT NAME	A PROC (PB PLD)	06/09
CIRCUIT BOARD NO.		DRAWING NO.
VEP84334C		KR4H67 (6/9)-6
		SCM017


IC4601
MB87D136APFV
IC4701
MB87D136APFV
IC4602
TVHT244FTEL
IC4702
TVHT244FTEL
IC4603
TVHC74FTEL
IC4703
TVHC74FTEL
X4601
VSX0968
X4602
VSX0968
X4701
VSX0968
X4702
VSX0968
Q4601
2SJ163-QRTX
Q4602
2SJ163-QRTX
Q4603
2SC2480-TX
Q4604
2SC2480-TX
D4601
MA152A-TX
D4602
MA152A-TX
D4603
MA152A-TX
D4604
MA152A-TX
D4701
MA152A-TX
D4702
MA152A-TX
D4703
MA152A-TX
D4704
MA152A-TX
FS128_DIO_SR
AESIN12
AESIN34
FS128_REF_DIO1234
FS_REF_LCH_H_DIO1234
from REC_PLD
from PB_PLD
AV_RD_N
DIO1234_CS_N
AV_WR_N
AV_DATA[0-7]
AV_ADRS[0-10]
DOUT_CH34
DOUT_CH12
AV_RESET_N
BSYNC_REF_OUT
AESIN56
AESIN78
FS128_REF_DIO5678
FS_REF_LCH_H_DIO5678
DIO5678_CS_N
DOUT_CH78
DOUT_CH56
to REC_PLD
to PB_PLD
DIN34_DATA_LF
DIN34_FS_LCH_H
FS256_DIN34
FS256_DIN12
DIN12_DATA_LF
DIN12_FS_LCH_H
SDI_TX_CH34
AES_TX_CH34
SDI_TX_CH12
AES_TX_CH12
DIN12_LOCK
DIN34_LOCK
DIN78_DATA_LF
DIN78_FS_LCH_H
FS256_DIN78
FS256_DIN56
DIN56_DATA_LF
DIN56_FS_LCH_H
SDI_TX_CH78
AES_TX_CH78
SDI_TX_CH56
AES_TX_CH56
DIN56_LOCK
DIN78_LOCK
CP4601
CP4701
+3V
A+5V

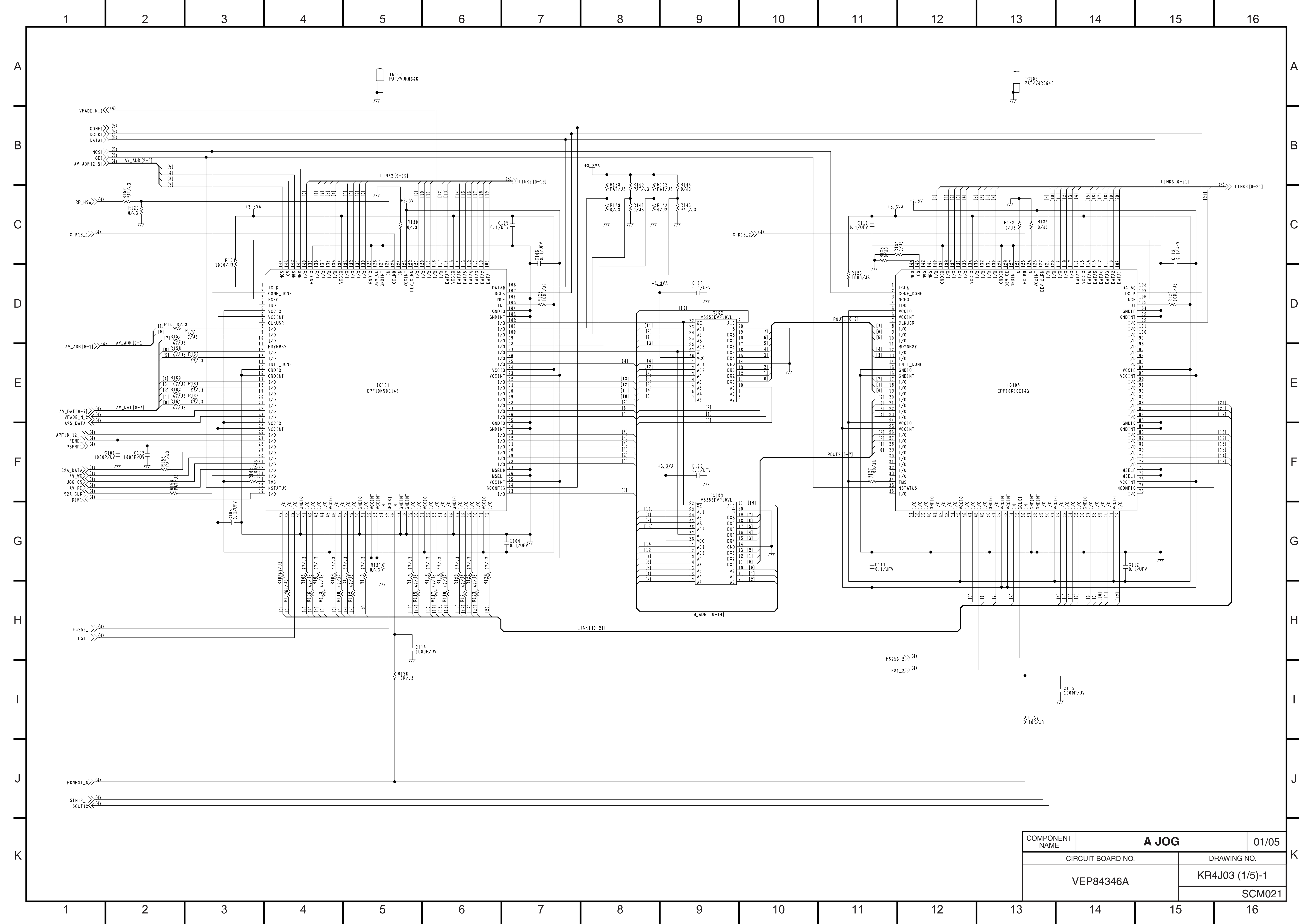
COMPONENT NAME	A PROC (DIO)	07/09
CIRCUIT BOARD NO.		DRAWING NO.
VEP84334C		KR4H67 (7/9)-7
		SCM018


FS128_DIO_SD
FS_LCH_H_DIO_SD
from PB_PLD
from PB_PLD
CP802
CP803
CP804
CP805
+3V
AV_RD_N
DIO_SD_CS_N
AV_WR_N
from REC_PLD
from REC_PLD
from REC_PLD
AV_DATA[0-7]
from REC_PLD
AV_DATA[0-7]
AV_DATA[0]
AV_DATA[1]
AV_DATA[2]
AV_DATA[3]
AV_DATA[4]
AV_DATA[5]
AV_DATA[6]
AV_DATA[7]
AV_ADRS[0-10]
from REC_PLD
AV_ADRS[0-10]
AV_ADRS[0]
AV_ADRS[1]
AV_ADRS[2]
AV_ADRS[3]
AV_ADRS[4]
AV_ADRS[5]
AV_ADRS[6]
AV_ADRS[7]
AV_ADRS[8]
CP801
IC4801
MB87D136APFV
1 FSOUT34
2 NC
3 BCK34
4 NC
5 APCM34
6 VSS
7 VAR34
8 NC
9 REF34
10 NC
11 DISCHG34
12 VDD
13 NC
14 BOUT34
15 NC
16 ADCK34
17 VSS
18 AESIN34
19 NC
20 SLOCK34
21 NC
22 SDCK34
23 NC
24 SRLIN34
25 NC
26 MCK
27 NC
28 VSS
29 LRCK
30 NC
31 OPTION
32 TDI21
33 VDD
34 XMINZ
35 OPTION
36 NC
37 TDO26
38 TDO27
39 VSS
40 TDO28
41 TDO29
42 XMS0
43 XMS1
44 XMS2
45 XMS3
46 XMM
47 IO
48 CS
49 WE
50 VSS
51 TMD
52 DB0
53 DB1
54 DB2
55 DB3
56 VDD
57 DB4
58 DB5
59 DB6
60 DB7
61 VSS
62 AB0
63 AB1
64 AB2
65 AB3
66 AB4
67 AB5
68 AB6
69 AB7
70 AB8
71 NC
72 VSS
73 TDI26
74 TDI25
75 TDI24
76 XSM
77 VDD
78 XTST
79 SDI
80 SDO
81 TA0
82 TA1
83 VSS
84 TA2
85 TA3
86 TA4
87 TA5
88 TA6
89 TDI22
90 TDI23
91 NC
92 SPCMOT34
93 NC
94 VSS
95 NC
96 PCMOUT34
97 NC
98 ODF0
99 ODF1
100 VDD
101 NC
102 SPCMOT12
103 NC
104 PCMOUT12
105 VSS
106 NC
107 PCMIN34
108 NC
109 IDF0
110 IDF1
111 NC
112 PCMIN12
113 NC
114 NC
115 RST
116 VSS
117 XTRST
118 NC
119 NC
120 NC
121 VDD
122 ALOCK34
123 NC
124 ALOCK12
125 NC
126 XISYNC
127 VSS
128 NC
129 NC
130 OUTHZ
131 NC
132 SYNC
133 AESOUT12
134 NC
135 SRLOUT12
136 NC
137 AESOUT34
138 VSS
139 NC
140 SRLOUT34
141 NC
142 FSOUT12
143 NC
144 VDD
145 NC
146 BCK12
147 NC
148 APCM12
149 VSS
150 NC
151 VAR12
152 NC
153 REF12
154 NC
155 DISCHG12
156 NC
157 BOUT12
158 NC
159 ADDVDD
160 VSS
161 NC
162 NC
163 NC
164 XACK
165 VDD
166 BCK
167 XTCK
168 ADCK12
169 NC
170 AESIN12
171 VSS
172 NC
173 SLOCK12
174 NC
175 SDCK12
176 NC
SRLIN12
to PB_PLD
SD_SDI_TX_CH34
to PB_PLD
SD_SDI_TX_CH12
R4805
1000/J6
+3V
C4801
0.1/UBN
C4802
0.1/UBN
C4803
0.1/UBN
C4804
0.1/UBN
+3V
R4801
0/J6
R4803
0/J6
R4802
PAT/J6
R4804
PAT/J6
BSYNC_OUT
from PB_PLD
AV_RESET_N
from REC_PLD
SD_SDO34
SD_SDO12
from PB_PLD
from PB_PLD

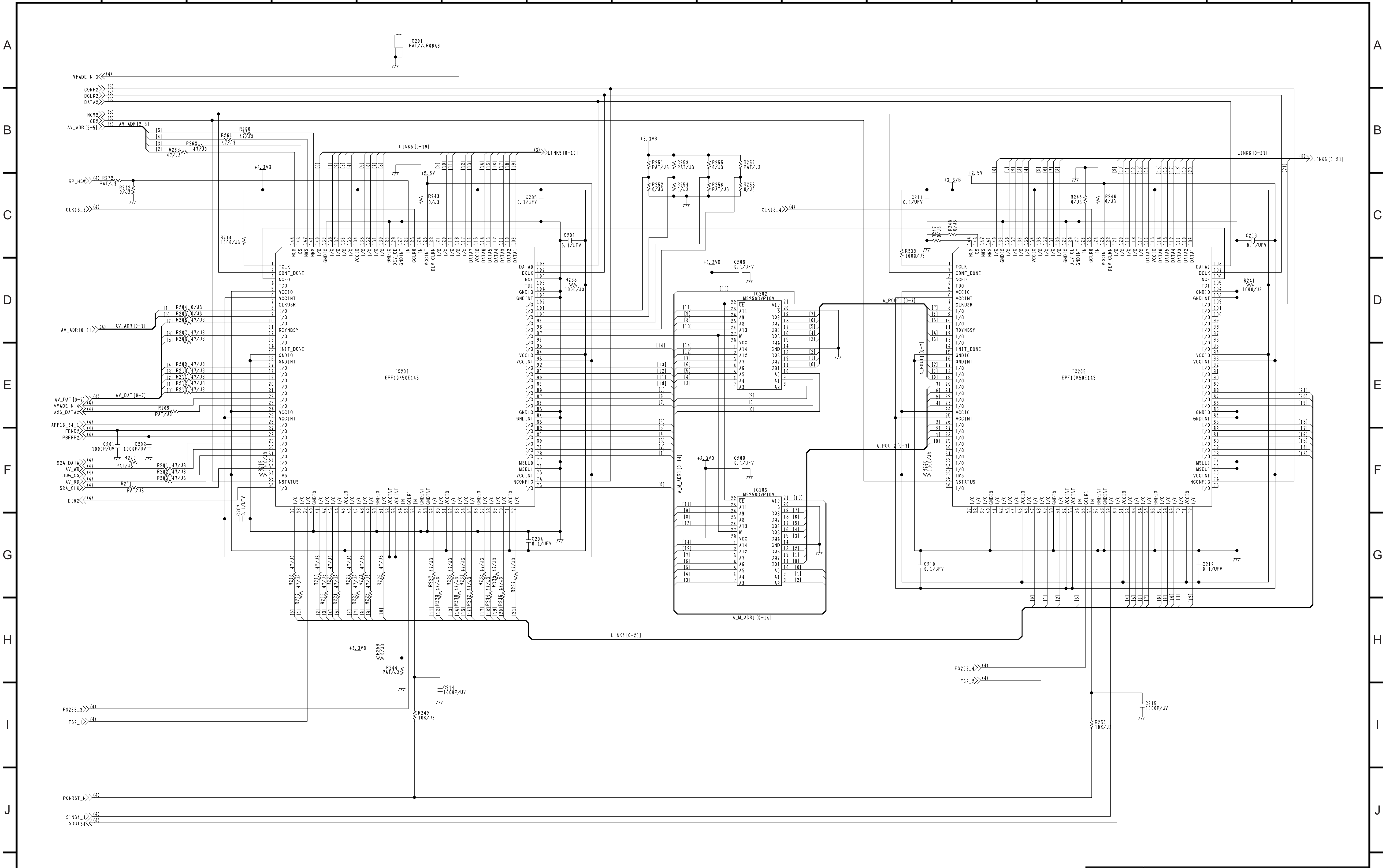
COMPONENT NAME	A PROC (SD DIO)		08/09
CIRCUIT BOARD NO.		DRAWING NO.	
VEP84334C		KR4H67 (8/9)-8	
		SCM019	


IC4901
EPF10K30AI43
IC4902
D4512816A10
DQ[0-15]
AD[0-13]
AV_ADRS[0-5]
AV_DATA[0-7]
P4901
VJP3125D008
P4902
VJP3635A068
P4903
VJP3635A068
IC4903
TVHC244FTEL
IP4901
EPC2TC32
IP4902
EPC2TC32
IC4904
S80730ANDTT1
J4901
VJR1008
J4902
VJR1008
J4903
VJR1008
J4904
VJR1008
AV_RESET_N from REC_PLD
FS256_AMEM from REC_PLD
TCK from CONNECTOR
TDO to CONNECTOR
TMS from CONNECTOR
PB_FRM_CH12 from PB_PLD
PB_FRM_CH34 from PB_PLD
PB_FRM_CH56 from PB_PLD
PB_FRM_CH78 from PB_PLD
J_FS256_1234 from PB_PLD
J_FS256_5678 from PB_PLD
J_FS from PB_PLD
REC_FRM from REC_PLD
FS_LCH_H_AMEM from REC_PLD
AV_RD_N from REC_PLD
AMEM_CS_N from REC_PLD
AV_ADRS[0-5] from REC_PLD
AV_DATA[0-7] from REC_PLD
REC_MEM_I_CH12 from ACNT1234
REC_MEM_I_CH34 from ACNT1234
REC_MEM_I_CH56 from ACNT5678
REC_MEM_I_CH78 from ACNT5678
REC_MEM_O_CH12 to ACNT1234
REC_MEM_O_CH34 to ACNT1234
REC_MEM_O_CH56 to ACNT5678
REC_MEM_O_CH78 to ACNT5678
AV_WR_N from REC_PLD
PB_MEM_I_CH12 from ACNT1234
PB_MEM_I_CH34 from ACNT1234
PB_MEM_I_CH56 from ACNT5678
PB_MEM_I_CH78 from ACNT5678
PB_MEM_O_CH12 to ACNT1234
PB_MEM_O_CH34 to ACNT1234
PB_MEM_O_CH56 to ACNT5678
PB_MEM_O_CH78 to ACNT5678
TDI_AMEM_PLD from PB_PLD
NCONFIG to REC_PLD
DATA to REC_PLD
DCLK to REC_PLD
OE to REC_PLD
NCS to REC_PLD
VFADE_N_2 to PB_PLD
VFADE_N_6 to PB_PLD
JIN34 from PB_PLD
JIN78 from PB_PLD
I_CAP_FG1_SYS from PB_PLD
JOG_CS_N from REC_PLD
JOUT34 to PB_PLD
JOUT78 to PB_PLD
I_TAPE_REV_H from PB_PLD
S2A_CLK from PB_PLD
A2S_DATA to PB_PLD
SUB_VER1 to REC_PLD
SUB_VER2 to REC_PLD
J_FS256_1234
JIN12
VFADE_N_1
I_FEND
CLK18_J1234
JOUT12
VFADE_N_3
REC_PB_FRM_BUFF3
VFADE_N_4
S2A_DATA
RP_HSW
J_FS256_5678
JIN56
VFADE_N_5
CLK18_J5678
JOUT56
VFADE_N_7
VFADE_N_8
+3V
+5V
+2.5V

COMPONENT NAME	A PROC (AMEM)	09/09
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84334C	KR4H67 (9/9)-9	
	SCM020	

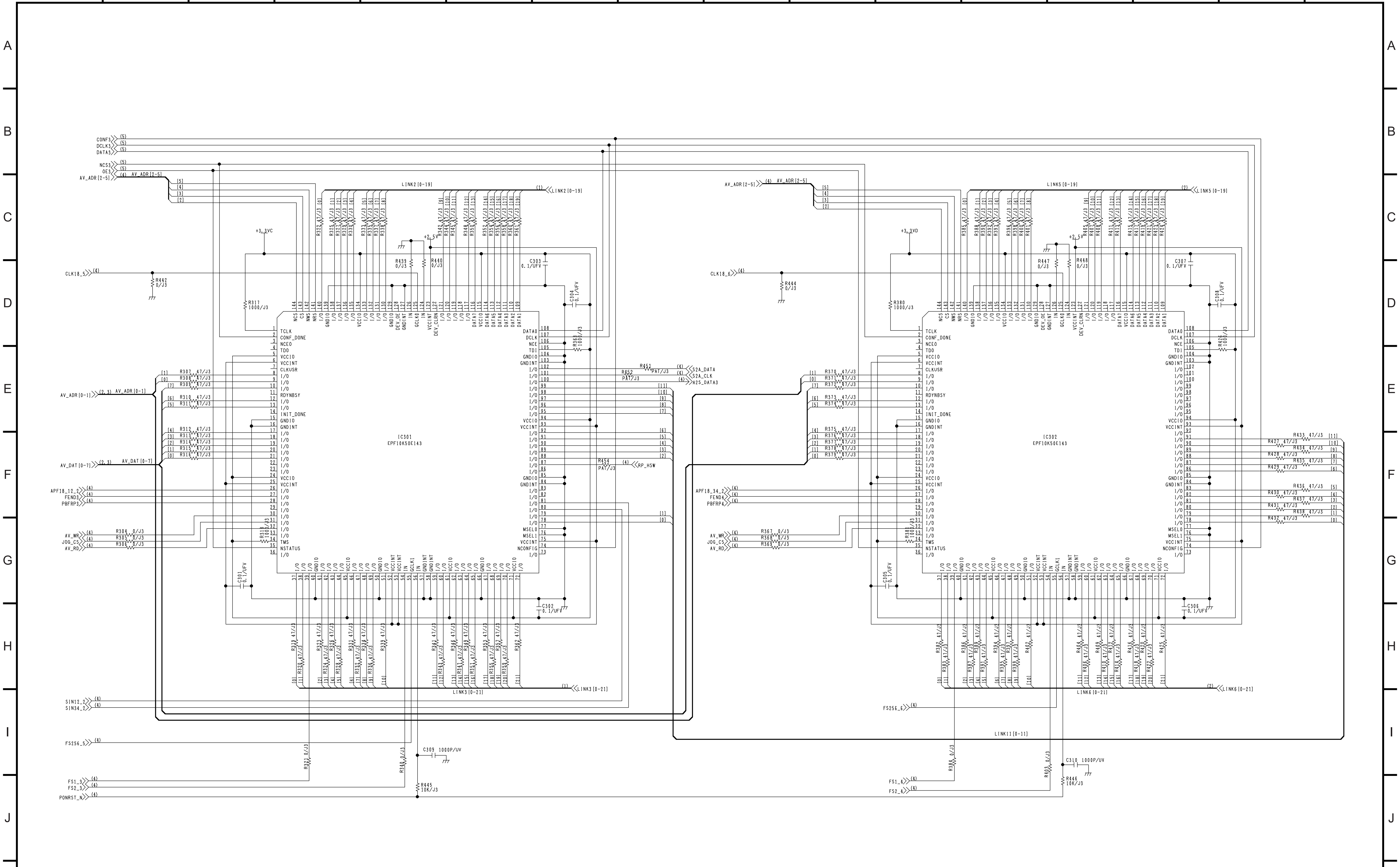

TG101 PAT/VJR0646
TG103 PAT/VJR0646
VFADE_N_1
CONF1
DCLK1
DATA1
NCS1
OE1
AV_ADR[2-5]
RP_HSW
CLK18_1
AV_ADR[0-1]
AV_DAT[0-7]
VFADE_N_2
A2S_DATA1
APF18_12_1
FEND1
PBFRP1
S2A_DATA
AV_WR
JOG_CS
AV_RD
S2A_CLK
DIR1
LINK2[0-19]
LINK3[0-21]
LINK1[0-21]
IC101 EPF10K50E143
IC105 EPF10K50E143
IC102 M5256DVP10VL
IC103 M5256DVP10VL
POUT1[0-7]
POUT2[0-7]
M_ADR1[0-14]
CLK18_2
F5256_1
FS1_1
F5256_2
FS1_2
PONRST_N
SIN12_1
SOUT12
+3.3VA
+2.5V
C114 1000P/UV
R136 10K/J3
C115 1000P/UV
R137 10K/J3

COMPONENT NAME	A JOG	01/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84346A		KR4J03 (1/5)-1
		SCM021

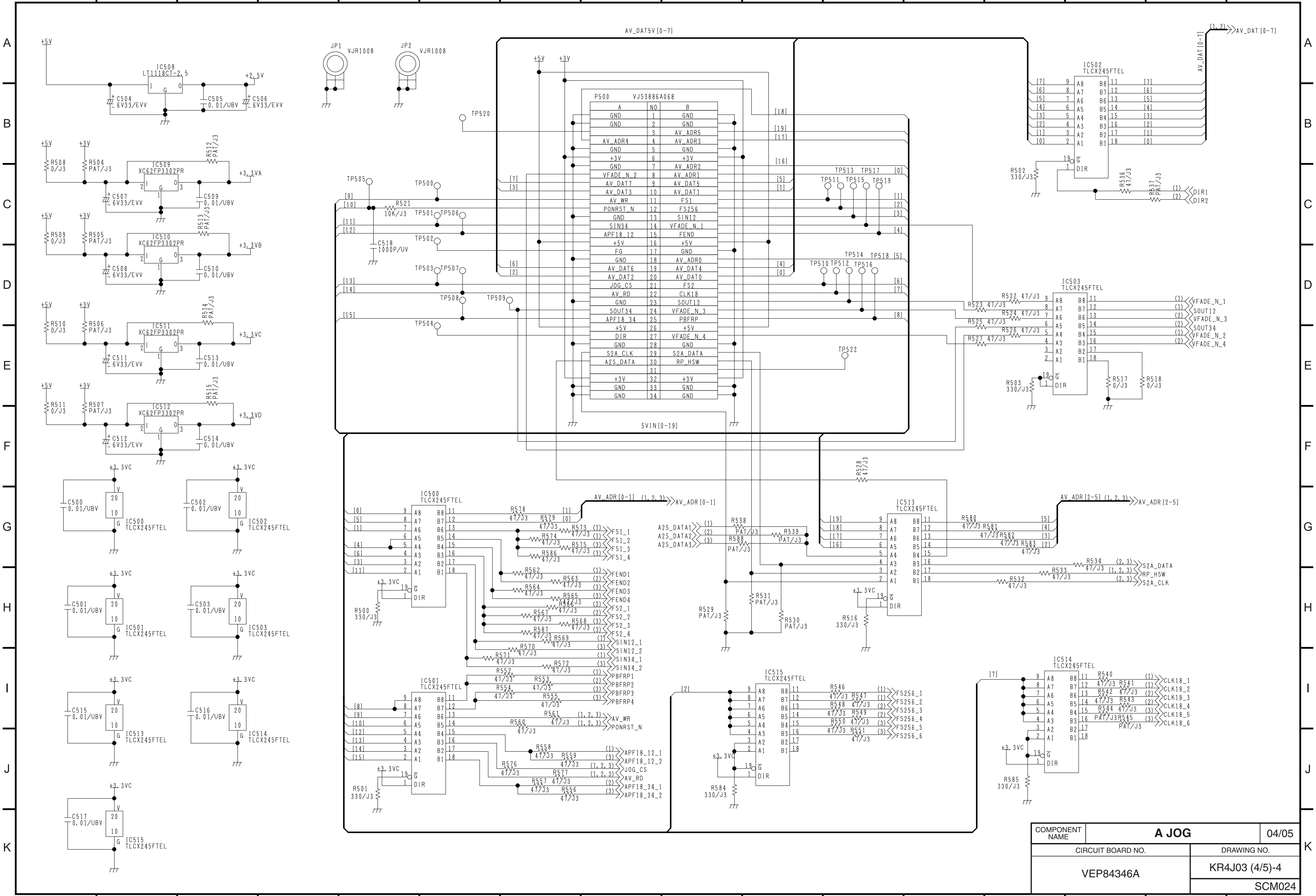


TG201 PAT/VJR0646
VFADE_N_3
CONF2
DCLK2
DATA2
NCS2
OE2
AV_ADR[2-5]
RP_HSW
CLK18_3
AV_ADR[0-1]
AV_DAT[0-7]
VFADE_N_4
A25_DATA2
APF18_34_1
FEND2
PBFRP2
S2A_DATA
AV_WR
JOG_CS
AV_RD
S2A_CLK
DIR2
FS256_3
FS2_1
PONRST_N
SIN34_1
SOUT34
LINK5[0-19]
LINK6[0-21]
LINK4[0-21]
A_POUT1[0-7]
A_POUT2[0-7]
A_M_ADR1[0-14]
CLK18_4
FS256_4
FS2_2
IC201 EPF10K50E143
IC205 EPF10K50E143
IC202 M5256DVP10VL
IC203 M5256DVP10VL
+3.3VB
+2.5V
R214 1000/J3
R238 1000/J3
R239 1000/J3
R240 1000/J3
R241 1000/J3
R242 0/J3
R243 0/J3
R244 PAT/J3
R245 0/J3
R246 0/J3
R247 0/J3
R248 0/J3
R249 10K/J3
R250 10K/J3
R251 PAT/J3
R252 0/J3
R253 PAT/J3
R254 0/J3
R255 0/J3
R256 PAT/J3
R257 PAT/J3
R258 0/J3
R259 0/J3
R260 47/J3
R261 47/J3
R262 47/J3
R263 47/J3
R264 0/J3
R265 0/J3
R269 PAT/J3
R270 PAT/J3
R271 PAT/J3
R272 PAT/J3
C201 1000P/UV
C202 1000P/UV
C203 0.1/UFV
C204 0.1/UFV
C205 0.1/UFV
C206 0.1/UFV
C208 0.1/UFV
C209 0.1/UFV
C210 0.1/UFV
C211 0.1/UFV
C212 0.1/UFV
C213 0.1/UFV
C214 1000P/UV
C215 1000P/UV

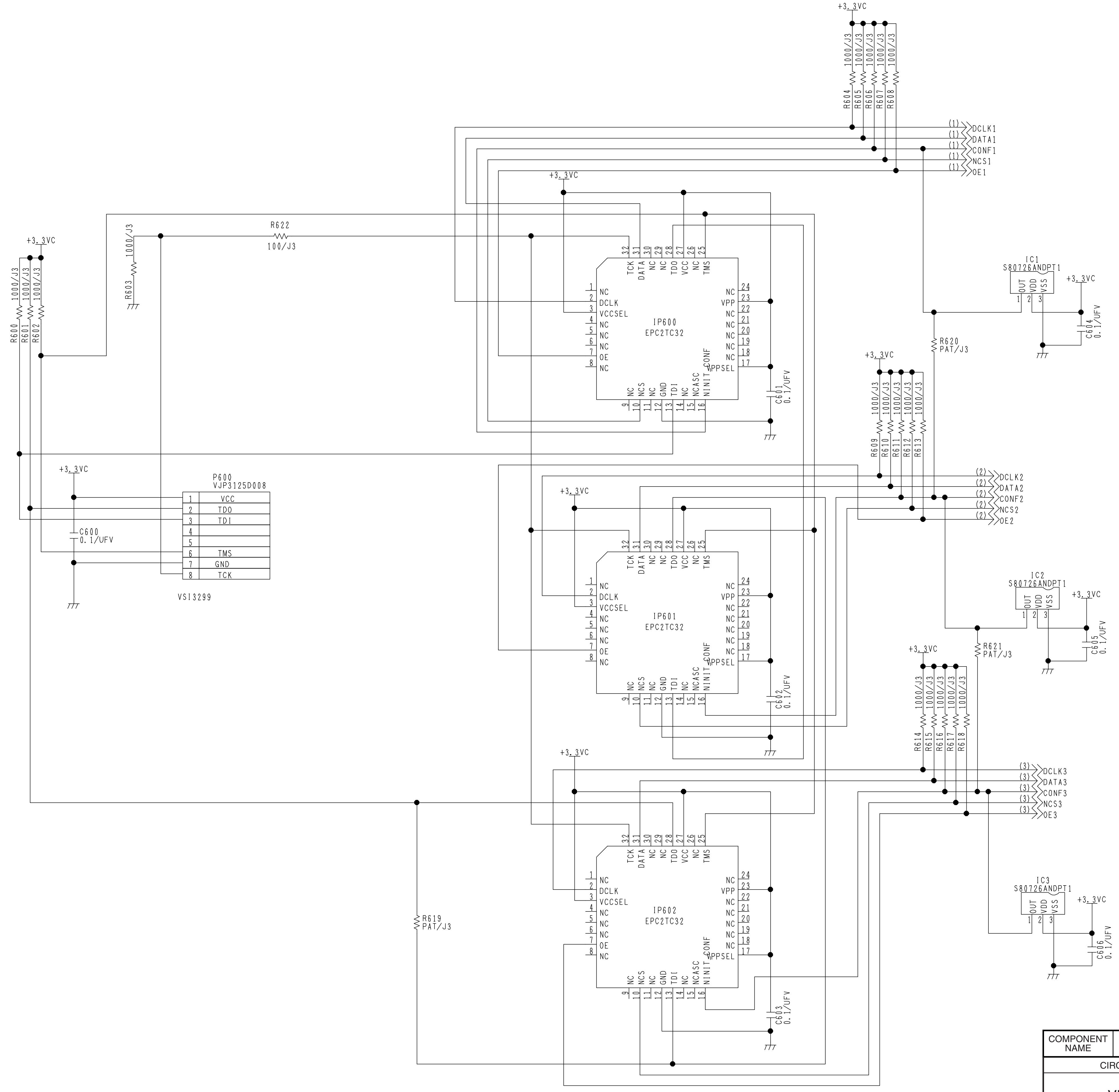
COMPONENT NAME	A JOG	02/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP84346A		KR4J03 (2/5)-2
		SCM022


IC301
EPF10K50EI43
IC302
EPF10K50EI43
CONF3
DCLK3
DATA3
NCS3
OE3
AV_ADR[2-5]
AV_ADR[0-1]
AV_DAT[0-7]
CLK18_5
CLK18_6
APF18_12_2
FEND3
PBFRP3
APF18_34_2
FEND4
PBFRP4
AV_WR
JOG_CS
AV_RD
SIN12_2
SIN34_2
FS256_5
FS256_6
FS1_3
FS2_3
FS1_4
FS2_4
PONRST_N
LINK2[0-19]
LINK3[0-21]
LINK5[0-19]
LINK6[0-21]
LINK11[0-11]
S2A_DATA
S2A_CLK
A2S_DATA3
RP_HSW
+3.3VC
+3.3VD
+2.5V
C301 0.1/UFV
C302 0.1/UFV
C303 0.1/UFV
C304 0.1/UFV
C305 0.1/UFV
C306 0.1/UFV
C307 0.1/UFV
C308 0.1/UFV
C309 1000P/UV
C310 1000P/UV
R445 10K/J3
R446 10K/J3
R442 0/J3
R444 0/J3
R317 1000/J3
R380 1000/J3
R451 PA1/J3
R452 PA1/J3
R454 PA1/J3
TCLK
CONF_DONE
NCEO
TDO
VCCIO
VCCINT
CLKUSR
RDYNBSY
INIT_DONE
GNDIO
GNDINT
MSEL0
MSEL1
NCONFIG
NSTATUS
TMS
DATA0
DCLK
NCE
TDI
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

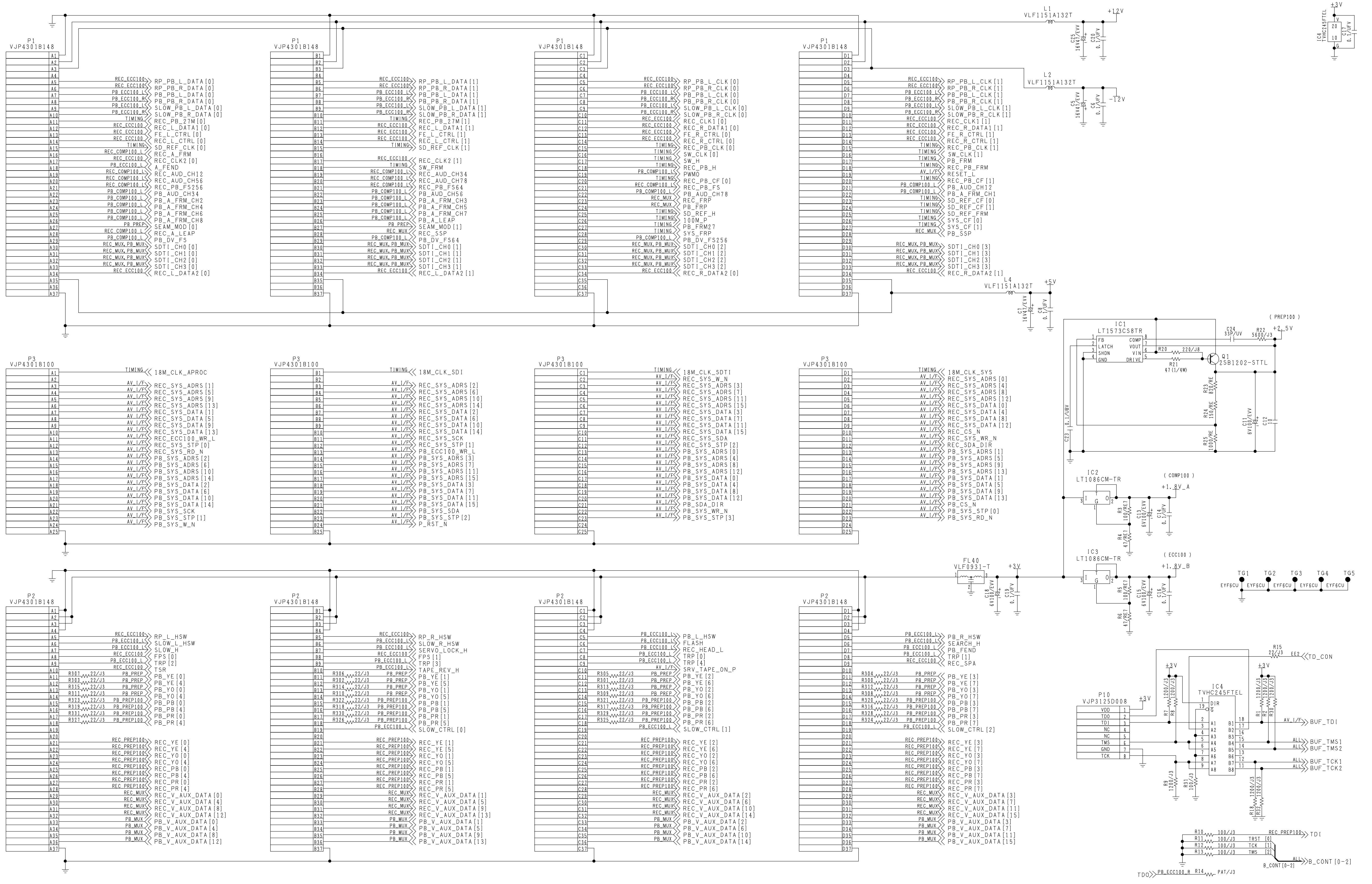
COMPONENT NAME	A JOG		03/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP84346A		KR4J03 (3/5)-3	
		SCM023	


IC508
LT1118CT-2.5
C504
6V33/EVV
C505
0.01/UBV
C506
6V33/EVV
+5V
+2.5V
JP1
VJR1008
JP2
VJR1008
IC509
XC62FP3302PR
IC510
XC62FP3302PR
IC511
XC62FP3302PR
IC512
XC62FP3302PR
+3.3VA
+3.3VB
+3.3VC
+3.3VD
R508
R509
R510
R511
0/J3
R504
R505
R506
R507
PAT/J3
R512
R513
R514
R515
C507
C508
C511
C512
C509
C510
C513
C514
AV_DAT5V[0-7]
P500
VJS3886A068
TP520
TP505
TP500
TP501
TP506
TP502
TP503
TP507
TP508
TP509
TP504
R521
10K/J3
C518
1000P/UV
TP513
TP517
TP511
TP515
TP519
TP510
TP512
TP516
TP514
TP518
TP522
5VIN[0-19]
IC502
TLCX245FTEL
AV_DAT[0-7]
R502
330/J3
R536
R537
DIR1
DIR2
IC503
TLCX245FTEL
VFADE_N_1
SOUT12
VFADE_N_3
SOUT34
VFADE_N_2
VFADE_N_4
R503
330/J3
R517
R518
R528
IC500
TLCX245FTEL
AV_ADR[0-1]
FS1_1
FS1_2
FS1_3
FS1_4
FEND1
FEND2
FEND3
FEND4
FS2_1
FS2_2
FS2_3
FS2_4
SIN12_1
SIN12_2
SIN34_1
SIN34_2
PBFRP1
PBFRP2
PBFRP3
PBFRP4
AV_WR
PONRST_N
APF18_12_1
APF18_12_2
JOG_CS
AV_RD
APF18_34_1
APF18_34_2
R500
330/J3
IC501
TLCX245FTEL
R501
330/J3
IC513
TLCX245FTEL
AV_ADR[2-5]
A2S_DATA1
A2S_DATA2
A2S_DATA3
S2A_DATA
RP_HSW
S2A_CLK
R529
R531
R530
R516
330/J3
IC515
TLCX245FTEL
FS256_1
FS256_2
FS256_3
FS256_4
FS256_5
FS256_6
R584
330/J3
IC514
TLCX245FTEL
CLK18_1
CLK18_2
CLK18_3
CLK18_4
CLK18_5
CLK18_6
R585
330/J3
C500
C502
C501
C503
C515
C516
C517
0.01/UBV

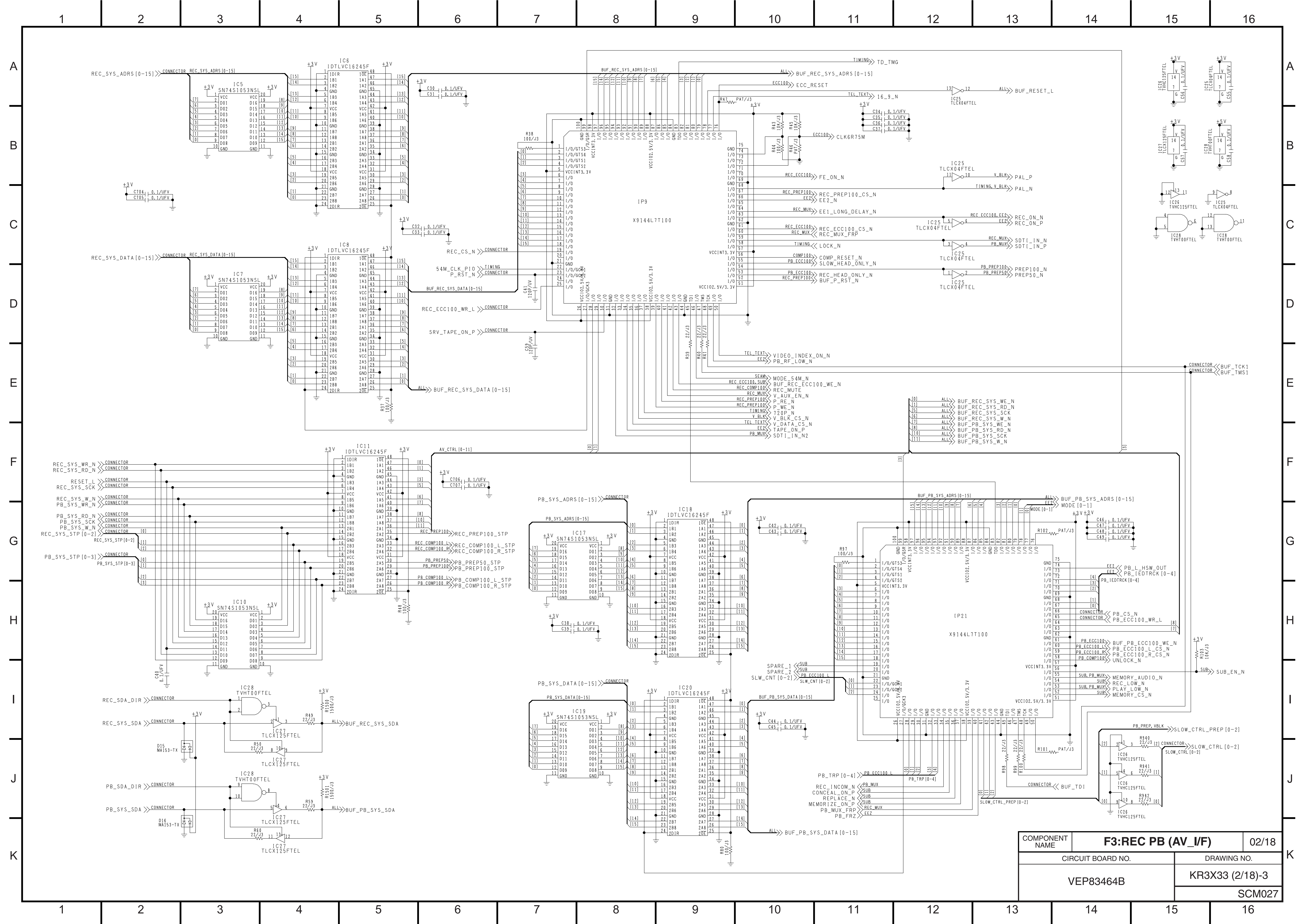
COMPONENT NAME	A JOG	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84346A	KR4J03 (4/5)-4	
	SCM024	


+3.3VC
R604
R605
R606
R607
R608
1000/J3
(1) DCLK1
(1) DATA1
(1) CONF1
(1) NCS1
(1) OE1
R622
100/J3
R603
1000/J3
R600
R601
R602
IP600
EPC2TC32
IP601
EPC2TC32
IP602
EPC2TC32
TCK 32
DATA 31
NC 30
NC 29
TDO 28
VCC 27
NC 26
TMS 25
1 NC
2 DCLK
3 VCCSEL
4 NC
5 NC
6 NC
7 OE
8 NC
9 NC
10 NCS
11 NC
12 GND
13 TDI
14 NC
15 NCASC
16 NINIT_CONF
17 VPPSEL
18 NC
19 NC
20 NC
21 NC
22 NC
23 VPP
24 NC
C601
C602
C603
0.1/UFV
IC1
IC2
IC3
S80726ANDPT1
OUT
VDD
VSS
C604
C605
C606
R620
R621
R619
PAT/J3
R609
R610
R611
R612
R613
(2) DCLK2
(2) DATA2
(2) CONF2
(2) NCS2
(2) OE2
R614
R615
R616
R617
R618
(3) DCLK3
(3) DATA3
(3) CONF3
(3) NCS3
(3) OE3
P600
VJP3125D008
1 VCC
2 TDO
3 TDI
4
5
6 TMS
7 GND
8 TCK
C600
0.1/UFV
VSI3299

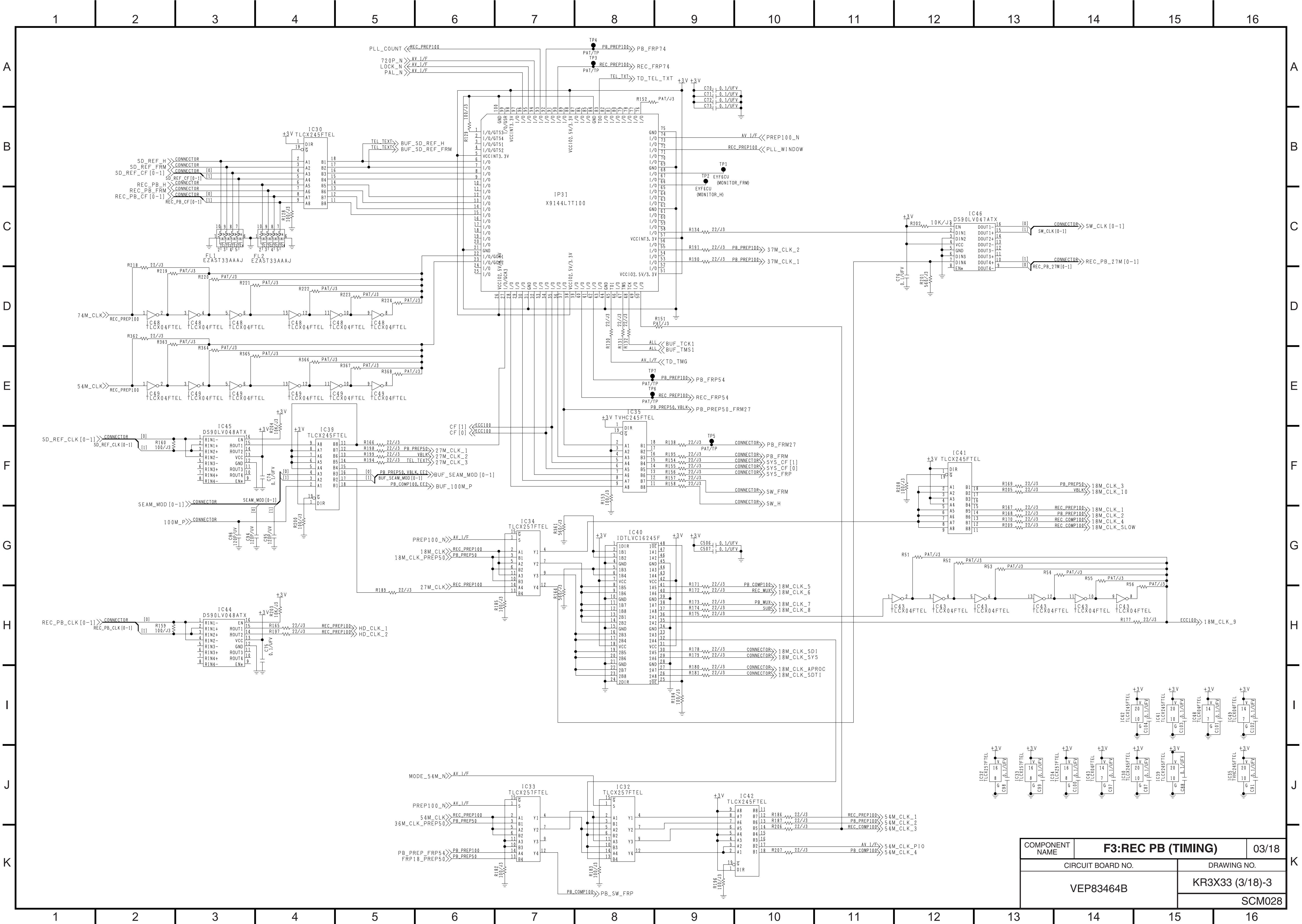
COMPONENT NAME	A JOG		05/05
CIRCUIT BOARD NO.		DRAWING NO.	
VEP84346A		KR4J03 (5/5)-5	
		SCM025	


P1
VJP4301B148
P3
VJP4301B100
P2
VJP4301B148
L1
VLF1151A132T
+12V
L2
-12V
L4
+5V
IC1
LT1573CS8TR
Q1
2SB1202-STTL
(PREP100)
+2.5V
IC2
LT1086CM-TR
(COMP100)
+1.8V_A
IC3
LT1086CM-TR
(ECC100)
+1.8V_B
FL40
VLF0931-T
+3V
TG1
TG2
TG3
TG4
TG5
EYF6CU
P10
VJP3125D008
IC4
TVHC245FTEL
BUF_TDI
BUF_TMS1
BUF_TMS2
BUF_TCK1
BUF_TCK2
TD_CON
TDI
B_CONT[0-2]
TDO

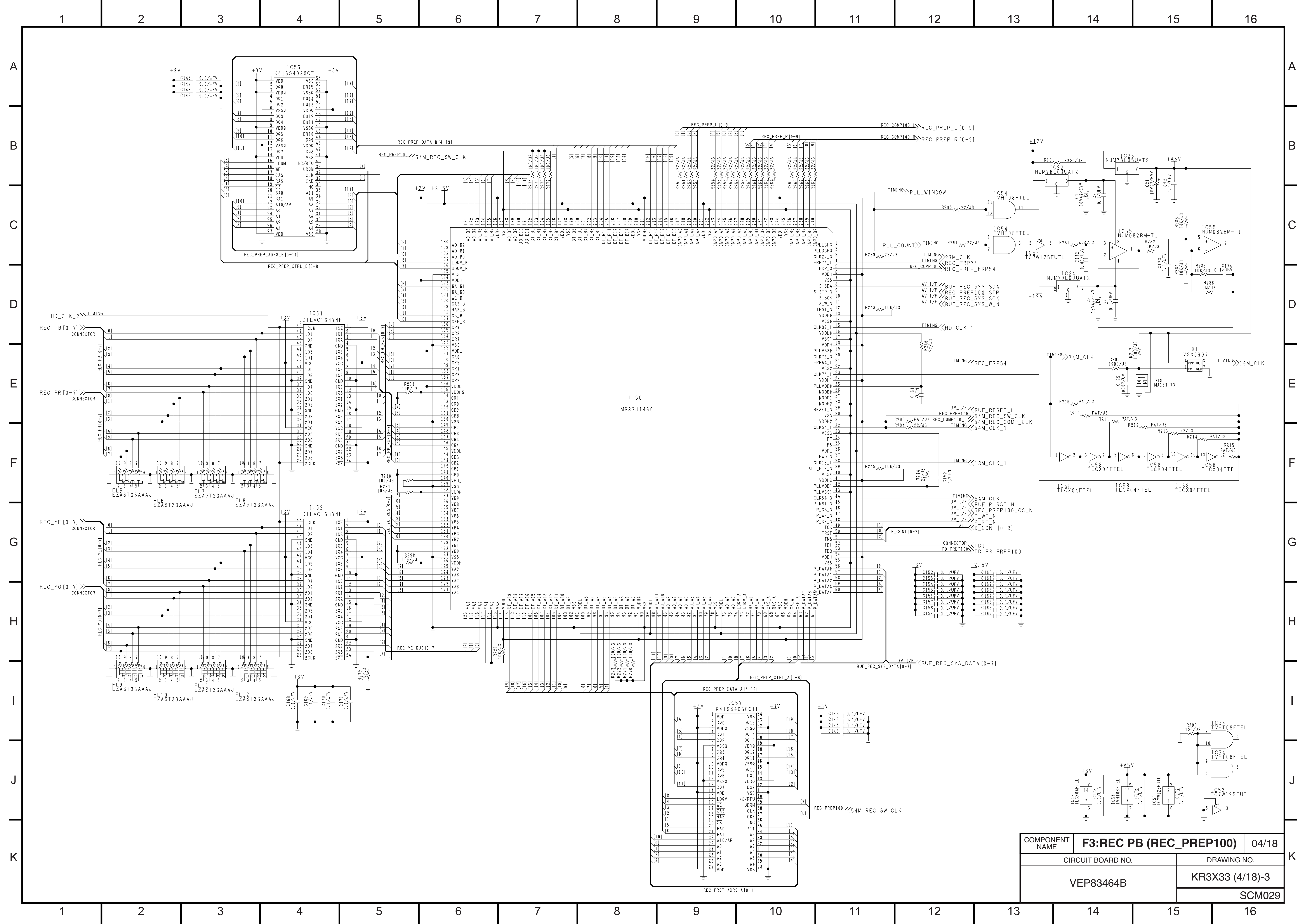
COMPONENT NAME	F3:REC PB (CONNECTOR)	01/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (1/18)-3
		SCM026


REC_SYS_ADRS [0-15]
CONNECTOR
IC5 SN74S1053NSL
IC6 IDTLVC16245F
IC7 SN74S1053NSL
IC8 IDTLVC16245F
REC_SYS_DATA [0-15]
REC_CS_N
54M_CLK_P10
P_RST_N
REC_ECC100_WR_L
SRV_TAPE_ON_P
BUF_REC_SYS_DATA [0-15]
BUF_REC_SYS_ADRS [0-15]
IP9
X9144L7T100
TD_TMG
ECC_RESET
16_9_N
BUF_RESET_L
CLK6R75M
FE_ON_N
PAL_P
PAL_N
REC_PREP100_CS_N
EE2_N
EE1_LONG_DELAY_N
REC_ON_N
REC_ON_P
REC_ECC100_CS_N
REC_MUX_FRP
LOCK_N
SDTI_IN_N
SDTI_IN_P
COMP_RESET_N
SLOW_HEAD_ONLY_N
REC_HEAD_ONLY_N
BUF_P_RST_N
PREP100_N
PREP50_N
IC25 TLCX04FTEL
VIDEO_INDEX_ON_N
PB_RF_LOW_N
BUF_TCK1
BUF_TMS1
MODE_54M_N
BUF_REC_ECC100_WE_N
REC_MUTE
V_AUX_EN_N
P_RE_N
P_WE_N
120P_N
V_BLK_CS_N
V_DATA_CS_N
TAPE_ON_P
SDTI_IN_N2
BUF_REC_SYS_WE_N
BUF_REC_SYS_RD_N
BUF_REC_SYS_SCK
BUF_REC_SYS_W_N
BUF_PB_SYS_WE_N
BUF_PB_SYS_RD_N
BUF_PB_SYS_SCK
BUF_PB_SYS_W_N
IC26 TVHC125FTEL
IC27 TLCX125FTEL
IC28 TVHT00FTEL
REC_SYS_WR_N
REC_SYS_RD_N
RESET_L
REC_SYS_SCK
REC_SYS_W_N
PB_SYS_WR_N
PB_SYS_RD_N
PB_SYS_SCK
PB_SYS_W_N
REC_SYS_STP [0-2]
PB_SYS_STP [0-3]
IC10 SN74S1053NSL
IC11 IDTLVC16245F
AV_CTRL [0-11]
REC_PREP100_STP
REC_COMP100_L_STP
REC_COMP100_R_STP
PB_PREP50_STP
PB_PREP100_STP
PB_COMP100_L_STP
PB_COMP100_R_STP
REC_SDA_DIR
REC_SYS_SDA
BUF_REC_SYS_SDA
D15 MA153-TX
PB_SDA_DIR
PB_SYS_SDA
BUF_PB_SYS_SDA
D16 MA153-TX
PB_SYS_ADRS [0-15]
IC17 SN74S1053NSL
IC18 IDTLVC16245F
PB_SYS_DATA [0-15]
IC19 SN74S1053NSL
IC20 IDTLVC16245F
BUF_PB_SYS_DATA [0-15]
SPARE_1
SPARE_2
SLW_CNT [0-2]
PB_TRP [0-4]
REC_INCOM_N
CONCEAL_ON_P
REPLACE_N
MEMORIZE_ON_P
PB_MUX_FRP
PB_FRZ
BUF_PB_SYS_ADRS [0-15]
MODE [0-1]
IP21
X9144L7T100
PB_L_HSW_OUT
PB_IEDTRCK [0-4]
PB_CS_N
PB_ECC100_WR_L
BUF_PB_ECC100_WE_N
PB_ECC100_L_CS_N
PB_ECC100_R_CS_N
UNLOCK_N
SUB_EN_N
MEMORY_AUDIO_N
REC_LOW_N
PLAY_LOW_N
MEMORY_CS_N
BUF_TDI
SLOW_CTRL_PREP [0-2]
SLOW_CTRL [0-2]

COMPONENT NAME	F3:REC PB (AV_I/F)	02/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (2/18)-3
		SCM027


IP31
X9144L7T100
IC30
TLCX245FTEL
IC46
DS90LV047ATX
IC45
DS90LV048ATX
IC44
DS90LV048ATX
IC39
TLCX245FTEL
IC35
TVHC245FTEL
IC41
TLCX245FTEL
IC34
TLCX257FTEL
IC40
IDTLVC16245F
IC33
TLCX257FTEL
IC32
TLCX257FTEL
IC42
TLCX245FTEL
IC48
TLCX04FTEL
IC49
TLCX04FTEL
IC43
TLCX04FTEL
FL1
EZAST33AAAJ
FL2
EZAST33AAAJ
PLL_COUNT
720P_N
LOCK_N
PAL_N
PB_FRP74
REC_FRP74
TD_TEL_TXT
BUF_SD_REF_H
BUF_SD_REF_FRM
SD_REF_H
SD_REF_FRM
SD_REF_CF[0-1]
REC_PB_H
REC_PB_FRM
REC_PB_CF[0-1]
PREP100_N
PLL_WINDOW
EYF&CU (MONITOR_FRM)
EYF&CU (MONITOR_H)
37M_CLK_2
37M_CLK_1
SW_CLK[0-1]
REC_PB_27M[0-1]
74M_CLK
54M_CLK
BUF_TCK1
BUF_TMS1
TD_TMG
PB_FRP54
REC_FRP54
PB_PREP50_FRM27
SD_REF_CLK[0-1]
27M_CLK_1
27M_CLK_2
27M_CLK_3
BUF_SEAM_MOD[0-1]
BUF_100M_P
SEAM_MOD[0-1]
100M_P
CF[1]
CF[0]
PB_FRM27
PB_FRM
SYS_CF[1]
SYS_CF[0]
SYS_FRP
SW_FRM
SW_H
18M_CLK_3
18M_CLK_10
18M_CLK_1
18M_CLK_2
18M_CLK_4
18M_CLK_SLOW
PREP100_N
18M_CLK
18M_CLK_PREP50
27M_CLK
18M_CLK_5
18M_CLK_6
18M_CLK_7
18M_CLK_8
18M_CLK_9
18M_CLK_SDI
18M_CLK_SYS
18M_CLK_APROC
18M_CLK_SDTI
REC_PB_CLK[0-1]
HD_CLK_1
HD_CLK_2
MODE_54M_N
54M_CLK
36M_CLK_PREP50
PB_PREP_FRP54
FRP18_PREP50
54M_CLK_1
54M_CLK_2
54M_CLK_3
54M_CLK_PIO
54M_CLK_4
PB_SW_FRP
+3V

COMPONENT NAME	F3:REC PB (TIMING)	03/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (3/18)-3
		SCM028

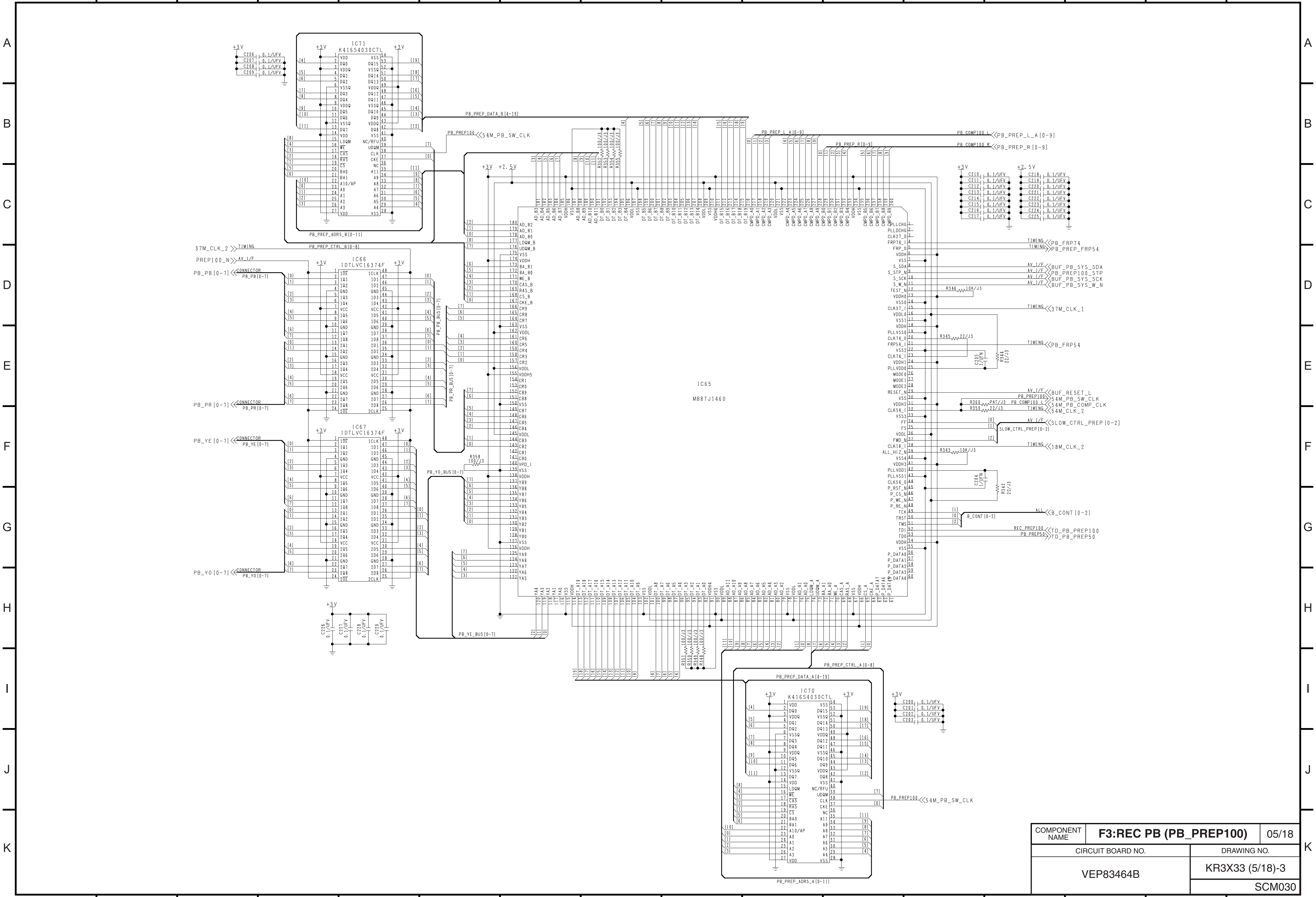

IC56
K4I6S4030CTL
IC57
K4I6S4030CTL
IC50
MB87J1460
IC51
IDTLVC16374F
IC52
IDTLVC16374F
IC53
TC7W125FUTL
IC54
TVHT08FTEL
IC55
NJM082BM-T1
IC58
TLCX04FTEL
IC22
NJM78L09UAT2
IC23
NJM78L05UAT2
IC24
NJM79L09UAT2
X1
VSX0907
D10
MA153-TX
FL5
FL6
FL7
FL8
FL9
FL10
FL11
FL12
EZAST33AAAJ
+3V
+2.5V
+A5V
+12V
-12V
HD_CLK_2
REC_PB[0-7]
REC_PR[0-7]
REC_YE[0-7]
REC_YO[0-7]
CONNECTOR
REC_PB_BUS[0-7]
REC_PR_BUS[0-7]
REC_YE_BUS[0-7]
REC_YO_BUS[0-7]
REC_PREP_DATA_B[4-19]
REC_PREP_ADRS_B[0-11]
REC_PREP_CTRL_B[0-8]
REC_PREP_DATA_A[4-19]
REC_PREP_ADRS_A[0-11]
REC_PREP_CTRL_A[0-8]
REC_PREP_L[0-9]
REC_PREP_R[0-9]
54M_REC_SW_CLK
PLL_WINDOW
PLL_COUNT
27M_CLK
REC_FRP74
REC_PREP_FRP54
BUF_REC_SYS_SDA
REC_PREP100_STP
BUF_REC_SYS_SCK
BUF_REC_SYS_W_N
HD_CLK_1
74M_CLK
18M_CLK
REC_FRP54
BUF_RESET_L
54M_REC_SW_CLK
54M_REC_COMP_CLK
54M_CLK_1
18M_CLK_1
54M_CLK
BUF_P_RST_N
REC_PREP100_CS_N
P_WE_N
P_RE_N
B_CONT[0-2]
TDI
TD_PB_PREP100
BUF_REC_SYS_DATA[0-7]
TIMING
AV I/F

COMPONENT NAME | F3:REC PB (REC_PREP100) | 04/18

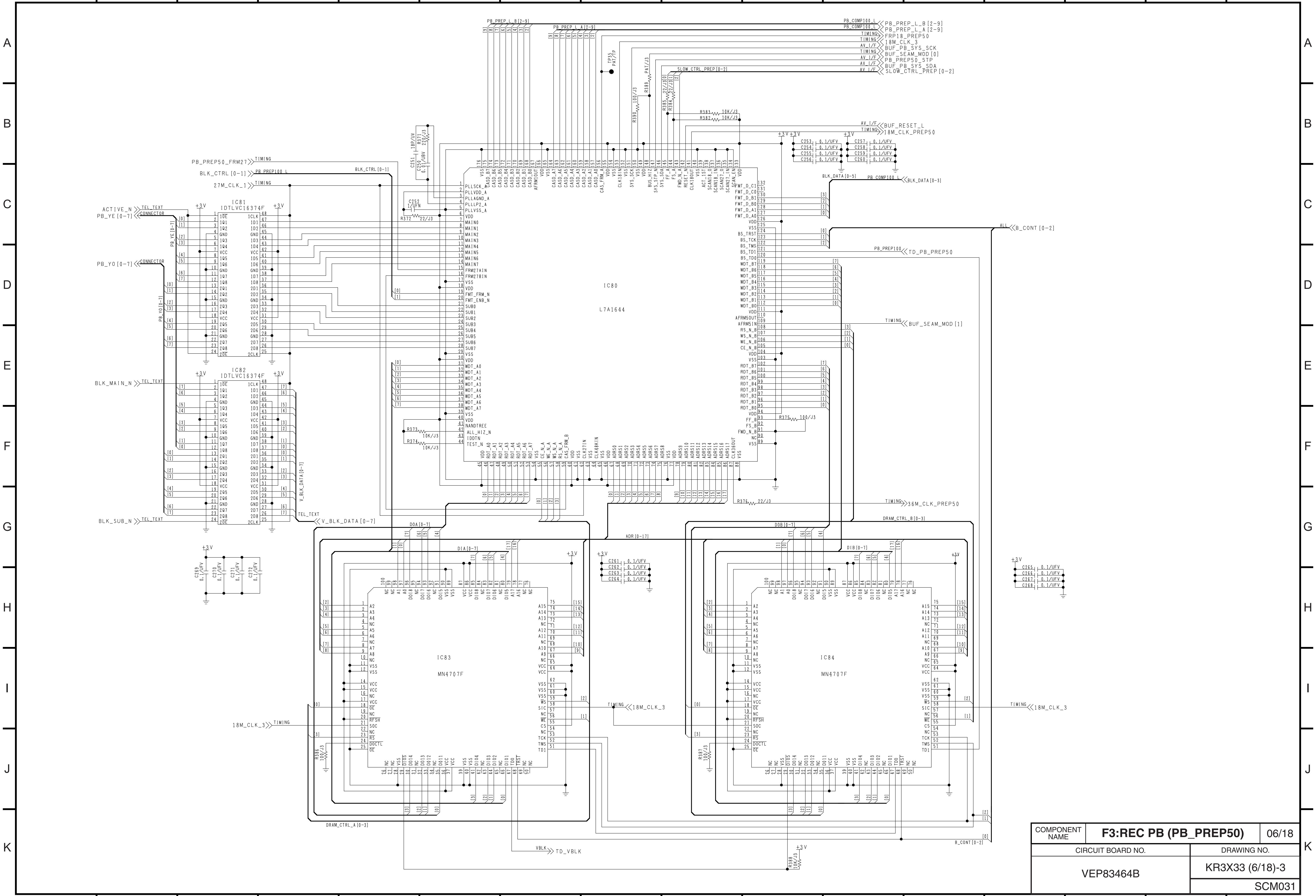
CIRCUIT BOARD NO. VEP83464B

DRAWING NO. KR3X33 (4/18)-3

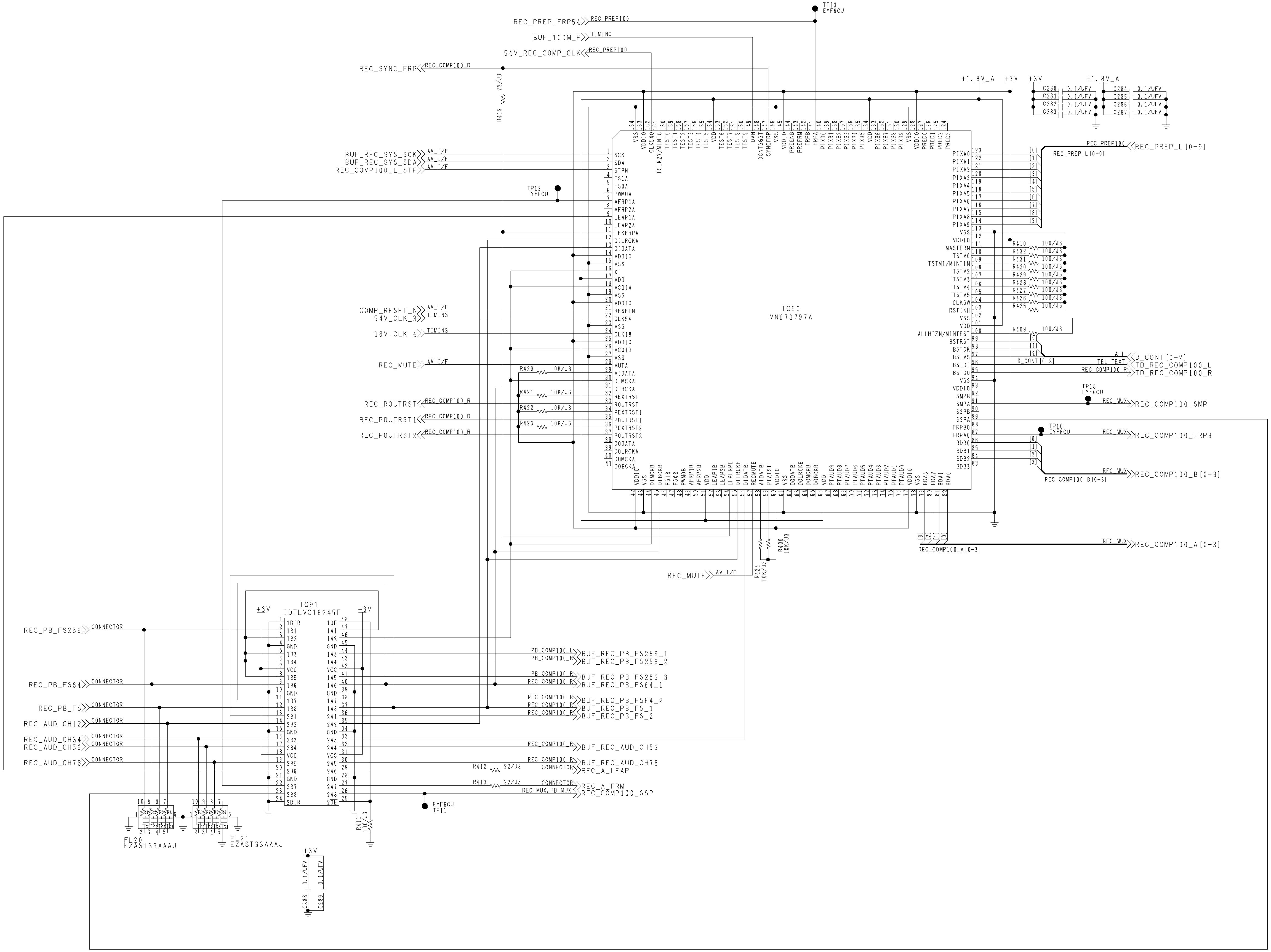
SCM029


IC65
MB87J1460
IC71
K416S4030CTL
IC70
K416S4030CTL
IC66
IDTLVC16374F
IC67
IDTLVC16374F
PB_PREP_DATA_B[4-19]
PB_PREP_ADRS_B[0-11]
PB_PREP_CTRL_B[0-8]
PB_PREP_DATA_A[4-19]
PB_PREP_ADRS_A[0-11]
PB_PREP_CTRL_A[0-8]
37M_CLK_2
PREP100_N
PB_PB[0-7]
PB_PR[0-7]
PB_YE[0-7]
PB_YO[0-7]
PB_PB_BUS[0-7]
PB_PR_BUS[0-7]
PB_YO_BUS[0-7]
PB_YE_BUS[0-7]
54M_PB_SW_CLK
PB_PREP_L_A[0-9]
PB_PREP_R[0-9]
PB_FRP74
PB_PREP_FRP54
BUF_PB_SYS_SDA
PB_PREP100_STP
BUF_PB_SYS_SCK
BUF_PB_SYS_W_N
37M_CLK_1
PB_FRP54
BUF_RESET_L
54M_PB_SW_CLK
54M_PB_COMP_CLK
54M_CLK_2
SLOW_CTRL_PREP[0-2]
18M_CLK_2
B_CONT[0-2]
TD_PB_PREP100
TD_PB_PREP50
+3V
+2.5V
R346 10K/J3
R345 22/J3
R344 22/J3
R360 PAT/J3
R359 22/J3
R343 10K/J3
R342 22/J3
R358 100/J3
C205 1/UFN
C204 1/UFN
C206 0.1/UFV
C207 0.1/UFV
C208 0.1/UFV
C209 0.1/UFV
C210 0.1/UFV
C211 0.1/UFV
C212 0.1/UFV
C213 0.1/UFV
C214 0.1/UFV
C215 0.1/UFV
C216 0.1/UFV
C217 0.1/UFV
C218 0.1/UFV
C219 0.1/UFV
C220 0.1/UFV
C221 0.1/UFV
C222 0.1/UFV
C223 0.1/UFV
C224 0.1/UFV
C225 0.1/UFV
C200 0.1/UFV
C201 0.1/UFV
C202 0.1/UFV
C203 0.1/UFV
C226 0.1/UFV
C227 0.1/UFV
C228 0.1/UFV
C229 0.1/UFV
R352 100/J3
R353 100/J3
R354 100/J3
R355 100/J3
R351 100/J3
R350 100/J3
R349 100/J3
R348 100/J3
CONNECTOR
TIMING
AV_I/F
ALL
REC_PREP100
PB_PREP50
PB_COMP100_L
PB_COMP100_R

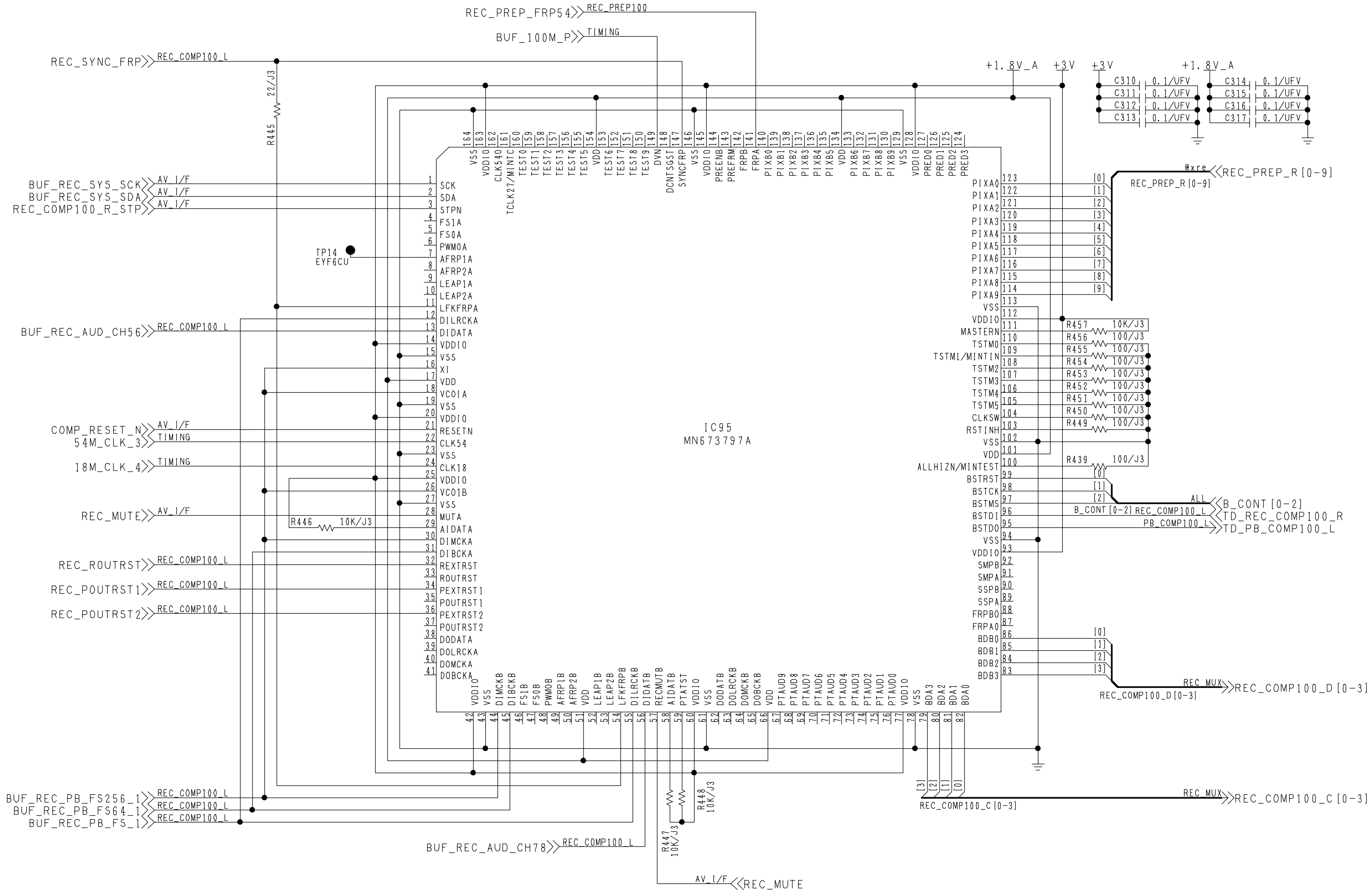
COMPONENT NAME	F3:REC PB (PB_PREP100)	05/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (5/18)-3	
	SCM030	


IC80
L7A1644
IC81
IDTLVC16374F
IC82
IDTLVC16374F
IC83
MN4707F
IC84
MN4707F
PB_PREP_L_B[2-9]
PB_PREP_L_A[2-9]
FRP18_PREP50
18M_CLK_3
BUF_PB_SYS_SCK
BUF_SEAM_MOD[0]
PB_PREP50_STP
BUF_PB_SYS_SDA
SLOW_CTRL_PREP[0-2]
BUF_RESET_L
18M_CLK_PREP50
BLK_DATA[0-3]
B_CONT[0-2]
TD_PB_PREP50
BUF_SEAM_MOD[1]
36M_CLK_PREP50
PB_PREP50_FRM27
BLK_CTRL[0-1]
27M_CLK_1
ACTIVE_N
PB_YE[0-7]
PB_Y0[0-7]
BLK_MAIN_N
BLK_SUB_N
V_BLK_DATA[0-7]
18M_CLK_3
TD_VBLK
DRAM_CTRL_A[0-3]
DRAM_CTRL_B[0-3]
ADR[0-17]
D0A[0-7]
D1A[0-7]
D0B[0-7]
D1B[0-7]
TP35
PAT/TP
+3V
TIMING
AV_I/F
CONNECTOR
TEL_TEXT

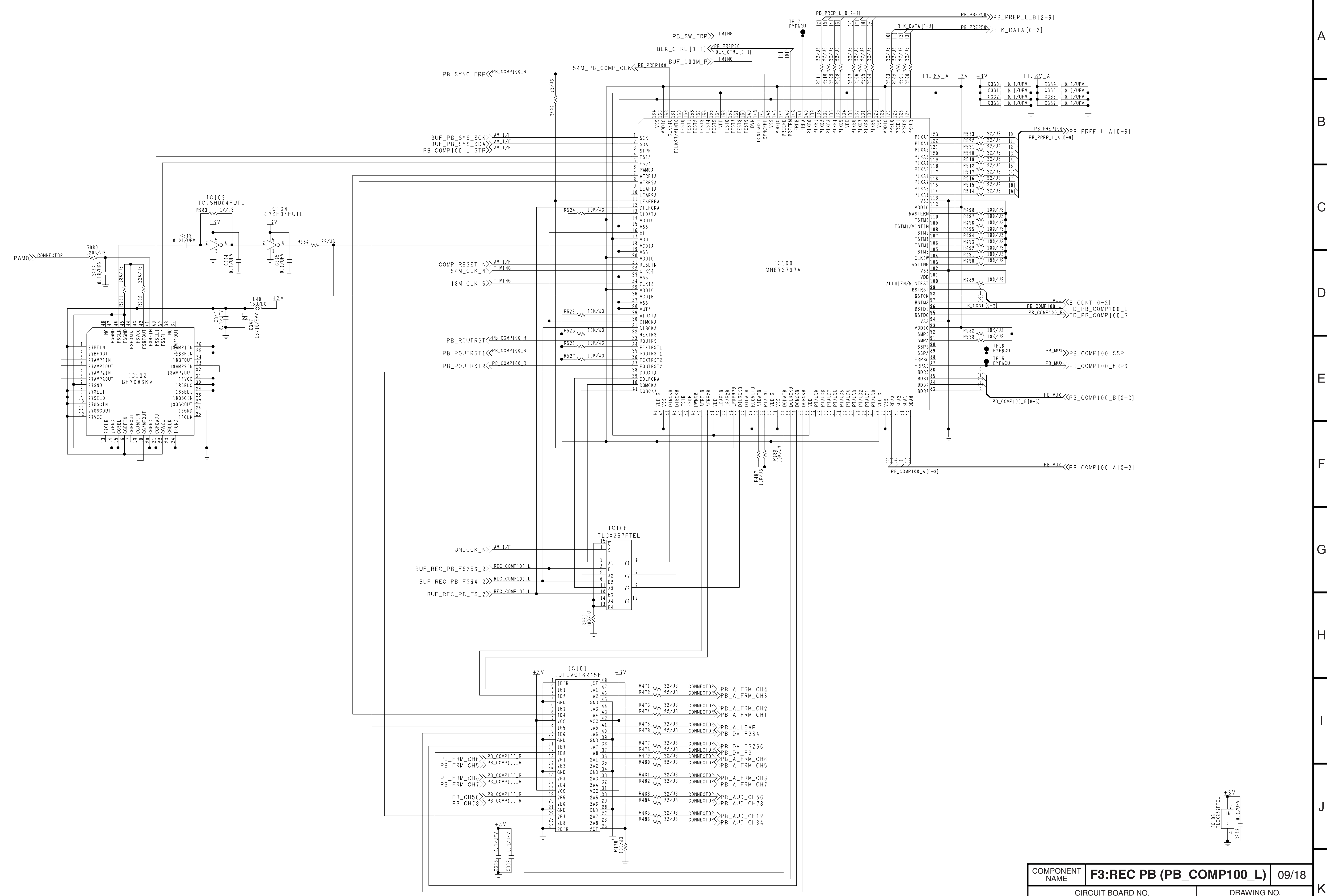
COMPONENT NAME	F3:REC PB (PB_PREP50)	06/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (6/18)-3
		SCM031


REC_PREP_FRP54
REC_PREP100
TP13
EYF6CU
BUF_100M_P
TIMING
54M_REC_COMP_CLK
REC_SYNC_FRP
REC_COMP100_R
R419
22/J3
+1.8V_A
+3V
C280
C281
C282
C283
C284
C285
C286
C287
0.1/UFV
BUF_REC_SYS_SCK
BUF_REC_SYS_SDA
REC_COMP100_L_STP
AV_I/F
TP12
EYF6CU
REC_PREP_L[0-9]
IC90
MN673797A
R410
R432
R431
R430
R429
R428
R427
R426
R425
100/J3
R409
COMP_RESET_N
54M_CLK_3
18M_CLK_4
REC_MUTE
R420
R421
R422
R423
10K/J3
REC_ROUTRST
REC_POUTRST1
REC_POUTRST2
B_CONT[0-2]
TD_REC_COMP100_L
TD_REC_COMP100_R
TP18
EYF6CU
REC_MUX
REC_COMP100_SMP
TP10
EYF6CU
REC_COMP100_FRP9
REC_COMP100_B[0-3]
REC_COMP100_A[0-3]
R400
10K/J3
R424
10K/J3
IC91
IDTLVC16245F
REC_PB_FS256
REC_PB_FS64
REC_PB_FS
REC_AUD_CH12
REC_AUD_CH34
REC_AUD_CH56
REC_AUD_CH78
CONNECTOR
PB_COMP100_L
PB_COMP100_R
BUF_REC_PB_FS256_1
BUF_REC_PB_FS256_2
BUF_REC_PB_FS256_3
BUF_REC_PB_FS64_1
BUF_REC_PB_FS64_2
BUF_REC_PB_FS_1
BUF_REC_PB_FS_2
BUF_REC_AUD_CH56
BUF_REC_AUD_CH78
R412
22/J3
REC_A_LEAP
R413
REC_A_FRM
REC_MUX, PB_MUX
REC_COMP100_SSP
EYF6CU
TP11
R411
100/J3
FL20
EZASТ33AAAJ
FL21
EZAST33AAAJ
C288
C289
0.1/UFV

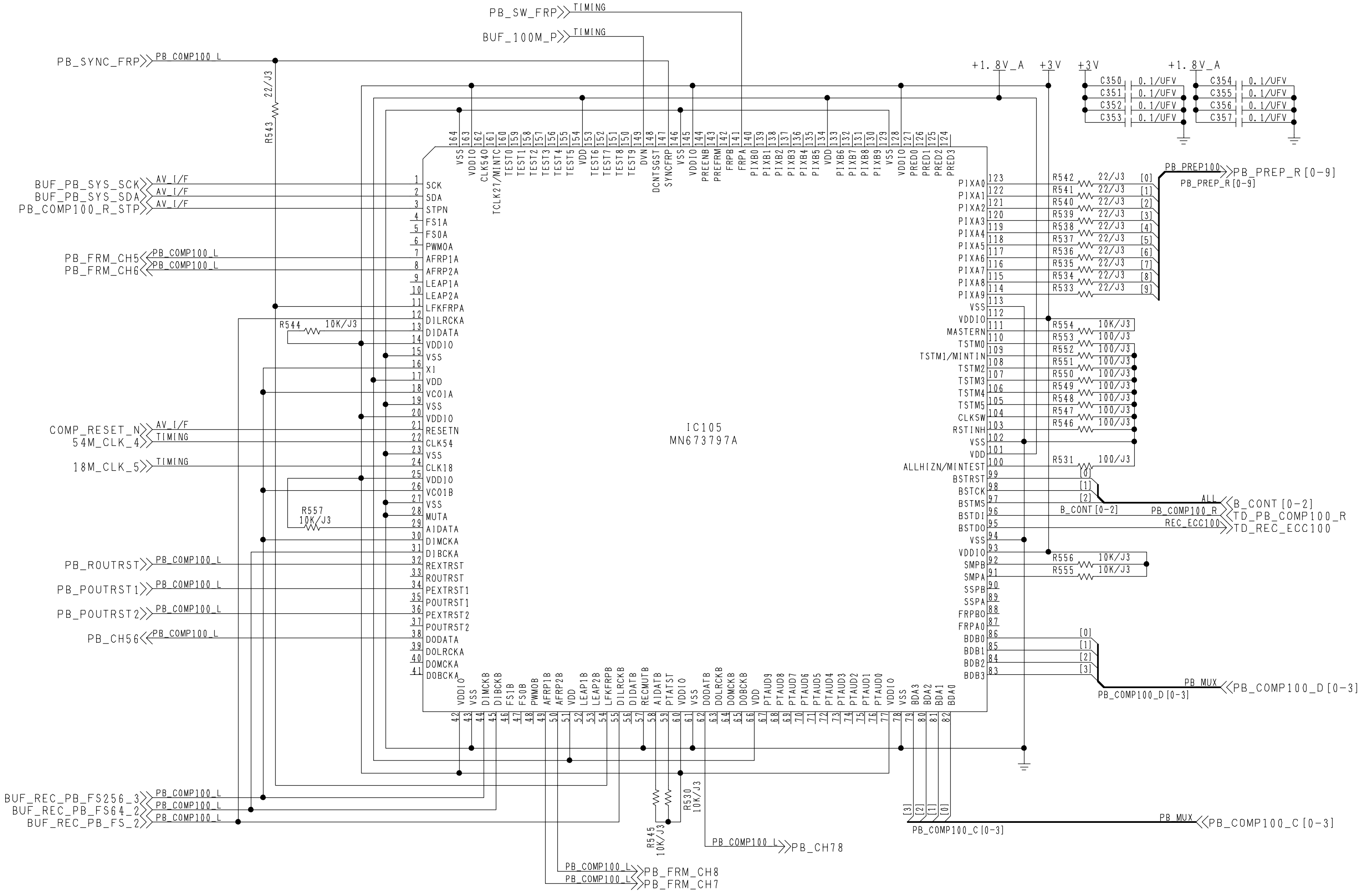
COMPONENT NAME	**F3:REC PB (REC_COMP100_L)**	07/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (7/18)-3	
	SCM032	


REC_PREP_FRP54
REC_PREP100
BUF_100M_P
TIMING
REC_SYNC_FRP
REC_COMP100_L
R445 22/J3
BUF_REC_SYS_SCK
BUF_REC_SYS_SDA
REC_COMP100_R_STP
AV_I/F
TP14
EYF6CU
BUF_REC_AUD_CH56
COMP_RESET_N
54M_CLK_3
18M_CLK_4
REC_MUTE
R446 10K/J3
REC_ROUTRST
REC_POUTRST1
REC_POUTRST2
BUF_REC_PB_FS256_1
BUF_REC_PB_FS64_1
BUF_REC_PB_FS_1
BUF_REC_AUD_CH78
R447 10K/J3
R448 10K/J3
AV_I/F
REC_MUTE
IC95
MN673797A
+1.8V_A
+3V
C310 0.1/UFV
C311 0.1/UFV
C312 0.1/UFV
C313 0.1/UFV
C314 0.1/UFV
C315 0.1/UFV
C316 0.1/UFV
C317 0.1/UFV
REC_PREP_R[0-9]
R457 10K/J3
R456 100/J3
R455 100/J3
R454 100/J3
R453 100/J3
R452 100/J3
R451 100/J3
R450 100/J3
R449 100/J3
R439 100/J3
B_CONT[0-2]
TD_REC_COMP100_R
TD_PB_COMP100_L
PB_COMP100_L
REC_MUX
REC_COMP100_D[0-3]
REC_COMP100_C[0-3]

COMPONENT NAME	F3:REC PB (REC_COMP100_R)	08/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (8/18)-3	
	SCM033	

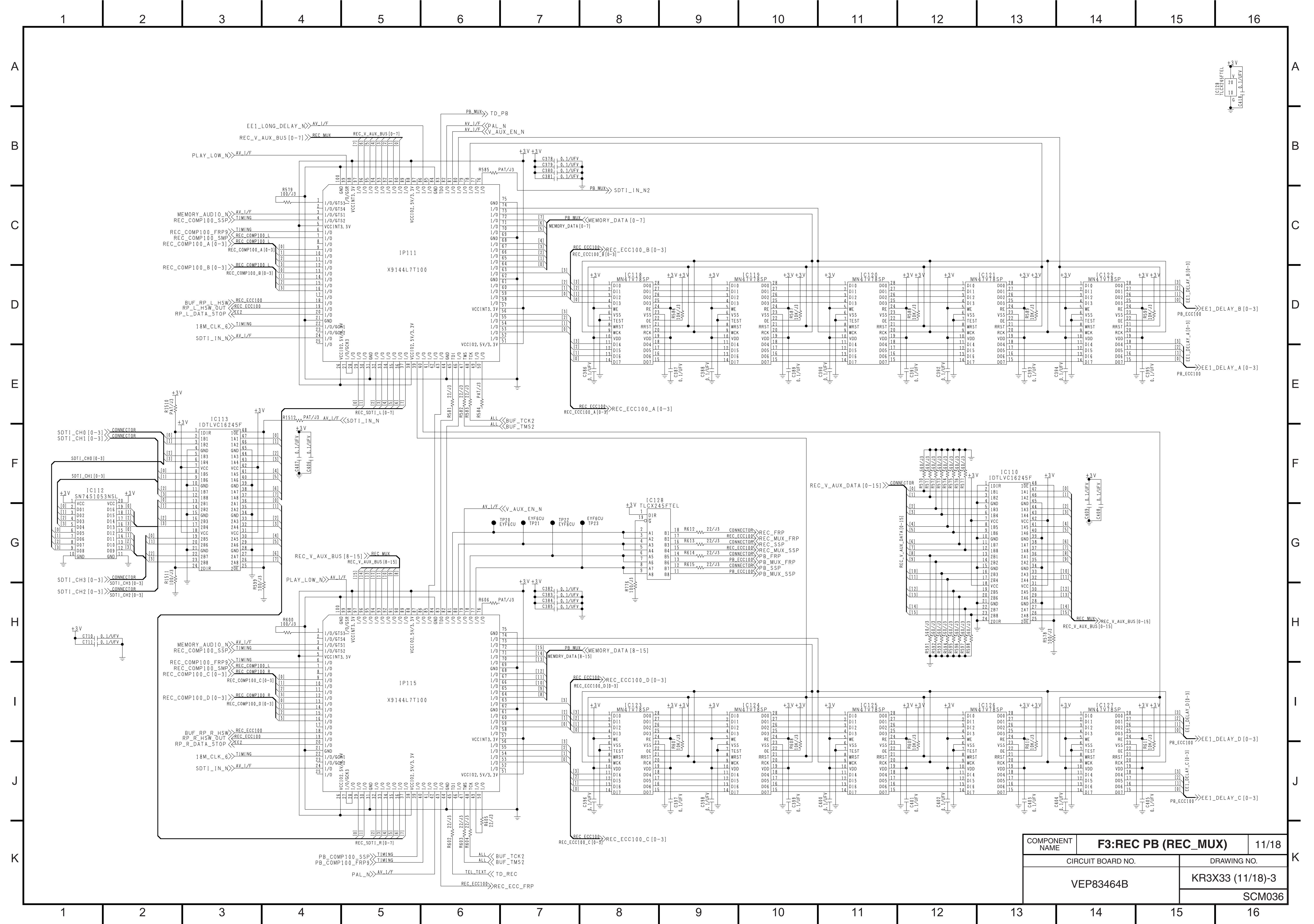

IC100
MN673797A
IC101
IDTLVC16245F
IC102
BH7086KV
IC103
TC7SHU04FUTL
IC104
TC7SH04FUTL
IC106
TLCX257FTEL
PWMO
CONNECTOR
PB_SYNC_FRP
PB_COMP100_R
54M_PB_COMP_CLK
PB_PREP100
PB_SW_FRP
TIMING
BLK_CTRL[0-1]
PB_PREP50
BUF_100M_P
TP17
EYF6CU
PB_PREP_L_B[2-9]
BLK_DATA[0-3]
BUF_PB_SYS_SCK
BUF_PB_SYS_SDA
PB_COMP100_L_STP
AV_I/F
COMP_RESET_N
54M_CLK_4
18M_CLK_5
PB_ROUTRST
PB_POUTRST1
PB_POUTRST2
PB_PREP_L_A[0-9]
B_CONT[0-2]
TD_PB_COMP100_L
TD_PB_COMP100_R
PB_COMP100_SSP
PB_COMP100_FRP9
PB_MUX
TP16
TP15
PB_COMP100_B[0-3]
PB_COMP100_A[0-3]
+1.8V_A
+3V
L40
15U/LC
UNLOCK_N
BUF_REC_PB_FS256_2
BUF_REC_PB_FS64_2
BUF_REC_PB_FS_2
REC_COMP100_L
PB_FRM_CH6
PB_FRM_CH5
PB_FRM_CH8
PB_FRM_CH7
PB_CH56
PB_CH78
PB_A_FRM_CH4
PB_A_FRM_CH3
PB_A_FRM_CH2
PB_A_FRM_CH1
PB_A_LEAP
PB_DV_FS64
PB_DV_FS256
PB_DV_FS
PB_A_FRM_CH6
PB_A_FRM_CH5
PB_A_FRM_CH8
PB_A_FRM_CH7
PB_AUD_CH56
PB_AUD_CH78
PB_AUD_CH12
PB_AUD_CH34

COMPONENT NAME	F3:REC PB (PB_COMP100_L)	09/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (9/18)-3
		SCM034

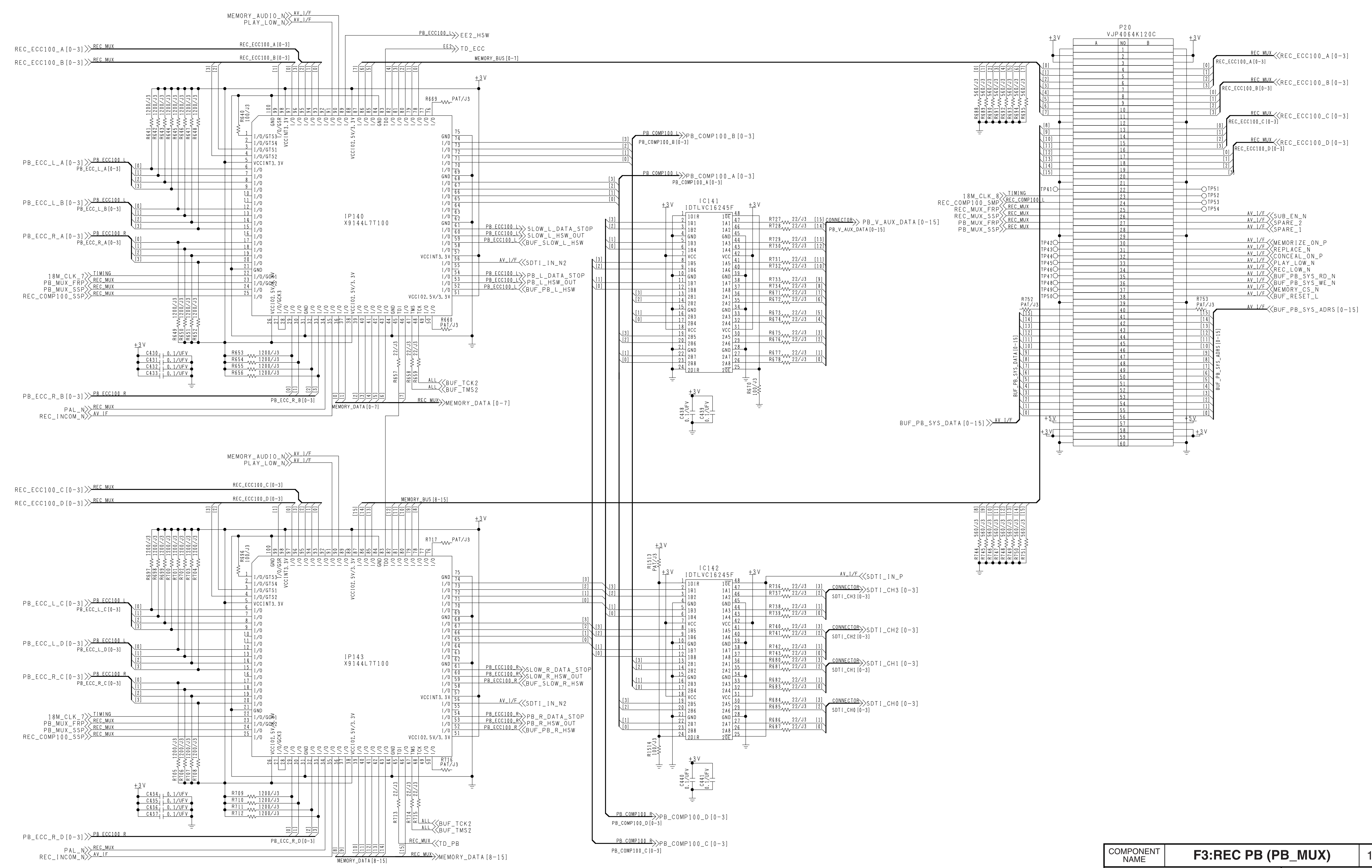


IC105
MN673797A
PB_SW_FRP
TIMING
BUF_100M_P
TIMING
PB_SYNC_FRP
PB_COMP100_L
R543
22/J3
BUF_PB_SYS_SCK
AV_I/F
BUF_PB_SYS_SDA
AV_I/F
PB_COMP100_R_STP
AV_I/F
PB_FRM_CH5
PB_COMP100_L
PB_FRM_CH6
PB_COMP100_L
R544
10K/J3
COMP_RESET_N
AV_I/F
54M_CLK_4
TIMING
18M_CLK_5
TIMING
R557
10K/J3
PB_ROUTRST
PB_COMP100_L
PB_POUTRST1
PB_COMP100_L
PB_POUTRST2
PB_COMP100_L
PB_CH56
PB_COMP100_L
BUF_REC_PB_FS256_3
PB_COMP100_L
BUF_REC_PB_FS64_2
PB_COMP100_L
BUF_REC_PB_FS_2
PB_COMP100_L
R545
10K/J3
R530
10K/J3
PB_COMP100_L
PB_CH78
PB_COMP100_L
PB_FRM_CH8
PB_COMP100_L
PB_FRM_CH7
1 SCK
2 SDA
3 STPN
4 FS1A
5 FS0A
6 PWM0A
7 AFRP1A
8 AFRP2A
9 LEAP1A
10 LEAP2A
11 LFKFRPA
12 DILRCKA
13 DIDATA
14 VDDIO
15 VSS
16 XI
17 VDD
18 VCO1A
19 VSS
20 VDDIO
21 RESETN
22 CLK54
23 VSS
24 CLK18
25 VDDIO
26 VCO1B
27 VSS
28 MUTA
29 AIDATA
30 DIMCKA
31 DIBCKA
32 REXTRST
33 ROUTRST
34 PEXTRST1
35 POUTRST1
36 PEXTRST2
37 POUTRST2
38 DODATA
39 DOLRCKA
40 DOMCKA
41 DOBCKA
42 VDDIO
43 VSS
44 DIMCKB
45 DIBCKB
46 FS1B
47 FS0B
48 PWM0B
49 AFRP1B
50 AFRP2B
51 VDD
52 LEAP1B
53 LEAP2B
54 LFKFRPB
55 DILRCKB
56 DIDATB
57 RECMUTB
58 AIDATB
59 PTATST
60 VDDIO
61 VSS
62 DODATB
63 DOLRCKB
64 DOMCKB
65 DOBCKB
66 VDD
67 PTAUD9
68 PTAUD8
69 PTAUD7
70 PTAUD6
71 PTAUD5
72 PTAUD4
73 PTAUD3
74 PTAUD2
75 PTAUD1
76 PTAUD0
77 VDDIO
78 VSS
79 BDA3
80 BDA2
81 BDA1
82 BDA0
83 BDB3
84 BDB2
85 BDB1
86 BDB0
87 FRPA0
88 FRPB0
89 SSPA
90 SSPB
91 SMPA
92 SMPB
93 VDDIO
94 VSS
95 BSTDO
96 BSTDI
97 BSTMS
98 BSTCK
99 BSTRST
100 ALLHIZN/MINTEST
101 VDD
102 VSS
103 RSTINH
104 CLKSW
105 TSTM5
106 TSTM4
107 TSTM3
108 TSTM2
109 TSTM1/MINTIN
110 TSTM0
111 MASTERN
112 VDDIO
113 VSS
114 PIXA9
115 PIXA8
116 PIXA7
117 PIXA6
118 PIXA5
119 PIXA4
120 PIXA3
121 PIXA2
122 PIXA1
123 PIXA0
124 PRED3
125 PRED2
126 PRED1
127 PRED0
128 VDDIO
129 VSS
130 PIXB9
131 PIXB8
132 PIXB7
133 PIXB6
134 VDD
135 PIXB5
136 PIXB4
137 PIXB3
138 PIXB2
139 PIXB1
140 PIXB0
141 FRPA
142 FRPB
143 PREFRM
144 PREENB
145 VDDIO
146 VSS
147 SYNCFRP
148 DCNTSGST
149 DVN
150 TEST9
151 TEST8
152 TEST7
153 TEST6
154 VDD
155 TEST5
156 TEST4
157 TEST3
158 TEST2
159 TEST1
160 TEST0
161 TCLK27/MINTC
162 CLK540
163 VDDIO
164 VSS
+1.8V_A
+3V
+3V
+1.8V_A
C350 0.1/UFV
C351 0.1/UFV
C352 0.1/UFV
C353 0.1/UFV
C354 0.1/UFV
C355 0.1/UFV
C356 0.1/UFV
C357 0.1/UFV
R542 22/J3 [0]
R541 22/J3 [1]
R540 22/J3 [2]
R539 22/J3 [3]
R538 22/J3 [4]
R537 22/J3 [5]
R536 22/J3 [6]
R535 22/J3 [7]
R534 22/J3 [8]
R533 22/J3 [9]
PB_PREP100
PB_PREP_R[0-9]
PB_PREP_R[0-9]
R554 10K/J3
R553 100/J3
R552 100/J3
R551 100/J3
R550 100/J3
R549 100/J3
R548 100/J3
R547 100/J3
R546 100/J3
R531 100/J3
[0]
[1]
[2]
ALL
B_CONT[0-2]
B_CONT[0-2]
PB_COMP100_R
TD_PB_COMP100_R
REC_ECC100
TD_REC_ECC100
R556 10K/J3
R555 10K/J3
[0]
[1]
[2]
[3]
PB_MUX
PB_COMP100_D[0-3]
PB_COMP100_D[0-3]
[3]
[2]
[1]
[0]
PB_COMP100_C[0-3]
PB_MUX
PB_COMP100_C[0-3]

COMPONENT NAME	**F3:REC PB (PB_COMP100_R)**	10/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (10/18)-3
		SCM035


IC111
X9144L7T100
IC115
X9144L7T100
IC113
IDTLVC16245F
IC112
SN74S1053NSL
IC110
IDTLVC16245F
IC128
TLCX245FTEL
IC118
MN47V78SP
IC119
MN47V78SP
IC120
MN47V78SP
IC121
MN47V78SP
IC122
MN47V78SP
IC123
MN47V78SP
IC124
MN47V78SP
IC125
MN47V78SP
IC126
MN47V78SP
IC127
MN47V78SP
EE1_LONG_DELAY_N
REC_V_AUX_BUS [0-7]
PLAY_LOW_N
MEMORY_AUDIO_N
REC_COMP100_SSP
REC_COMP100_FRP9
REC_COMP100_SMP
REC_COMP100_A [0-3]
REC_COMP100_B [0-3]
BUF_RP_L_HSW
RP_L_HSW_OUT
RP_L_DATA_STOP
18M_CLK_6
SDTI_IN_N
TD_PB
PAL_N
V_AUX_EN_N
SDTI_IN_N2
MEMORY_DATA [0-7]
REC_ECC100_B [0-3]
REC_ECC100_A [0-3]
EE1_DELAY_B [0-3]
EE1_DELAY_A [0-3]
BUF_TCK2
BUF_TMS2
REC_SDTI_L [0-7]
SDTI_CH0 [0-3]
SDTI_CH1 [0-3]
SDTI_CH3 [0-3]
SDTI_CH2 [0-3]
REC_V_AUX_BUS [8-15]
REC_FRP
REC_MUX_FRP
REC_SSP
REC_MUX_SSP
PB_FRP
PB_MUX_FRP
PB_SSP
PB_MUX_SSP
TP20
TP21
TP22
TP23
REC_V_AUX_DATA [0-15]
REC_V_AUX_BUS [0-15]
MEMORY_DATA [8-15]
REC_COMP100_C [0-3]
REC_COMP100_D [0-3]
BUF_RP_R_HSW
RP_R_HSW_OUT
RP_R_DATA_STOP
REC_ECC100_D [0-3]
REC_ECC100_C [0-3]
EE1_DELAY_D [0-3]
EE1_DELAY_C [0-3]
REC_SDTI_R [0-7]
PB_COMP100_SSP
PB_COMP100_FRP9
TD_REC
REC_ECC_FRP
+3V
0.1/UFV
22/J3
10K/J3
560/J3
100/J3
PAT/J3

COMPONENT NAME	F3:REC PB (REC_MUX)	11/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (11/18)-3
		SCM036



IP140
X9144L7T100
IP143
X9144L7T100
IC141
IDTLVC16245F
IC142
IDTLVC16245F
P20
VJP4064K120C
REC_ECC100_A[0-3]
REC_ECC100_B[0-3]
REC_ECC100_C[0-3]
REC_ECC100_D[0-3]
REC MUX
MEMORY_AUDIO_N
PLAY_LOW_N
AV_I/F
PB_ECC100_L
EE2_HSW
EE2
TD_ECC
MEMORY_BUS[0-7]
MEMORY_BUS[8-15]
PB_ECC_L_A[0-3]
PB_ECC_L_B[0-3]
PB_ECC_R_A[0-3]
PB_ECC_R_B[0-3]
PB_ECC_L_C[0-3]
PB_ECC_L_D[0-3]
PB_ECC_R_C[0-3]
PB_ECC_R_D[0-3]
18M_CLK_7
TIMING
PB_MUX_FRP
PB_MUX_SSP
REC_COMP100_SSP
PAL_N
REC_INCOM_N
PB_COMP100_B[0-3]
PB_COMP100_A[0-3]
PB_COMP100_C[0-3]
PB_COMP100_D[0-3]
SLOW_L_DATA_STOP
SLOW_L_HSW_OUT
BUF_SLOW_L_HSW
SDTI_IN_N2
PB_L_DATA_STOP
PB_L_HSW_OUT
BUF_PB_L_HSW
SLOW_R_DATA_STOP
SLOW_R_HSW_OUT
BUF_SLOW_R_HSW
PB_R_DATA_STOP
PB_R_HSW_OUT
BUF_PB_R_HSW
BUF_TCK2
BUF_TMS2
MEMORY_DATA[0-7]
MEMORY_DATA[8-15]
TD_PB
PB_V_AUX_DATA[0-15]
CONNECTOR
SDTI_IN_P
SDTI_CH3[0-3]
SDTI_CH2[0-3]
SDTI_CH1[0-3]
SDTI_CH0[0-3]
18M_CLK_8
REC_COMP100_SMP
REC_MUX_FRP
REC_MUX_SSP
SUB_EN_N
SPARE_2
SPARE_1
MEMORIZE_ON_P
REPLACE_N
CONCEAL_ON_P
PLAY_LOW_N
REC_LOW_N
BUF_PB_SYS_RD_N
BUF_PB_SYS_WE_N
MEMORY_CS_N
BUF_RESET_L
BUF_PB_SYS_ADRS[0-15]
BUF_PB_SYS_DATA[0-15]
TP41
TP42
TP43
TP44
TP45
TP46
TP47
TP48
TP49
TP50
TP51
TP52
TP53
TP54
+3V
+5V
R669 PAT/J3
R660 PAT/J3
R717 PAT/J3
R716 PAT/J3
R752 PAT/J3
R753 PAT/J3
R1513 PAT/J3
R1514 100/J3
R670 100/J3
C430 0.1/UFV
C431 0.1/UFV
C432 0.1/UFV
C433 0.1/UFV
C434 0.1/UFV
C435 0.1/UFV
C436 0.1/UFV
C437 0.1/UFV
C438 0.1/UFV
C439 0.1/UFV
C440 0.1/UFV
C441 0.1/UFV
R653 1200/J3
R654 1200/J3
R655 1200/J3
R656 1200/J3
R709 1200/J3
R710 1200/J3
R711 1200/J3
R712 1200/J3
R657 22/J3
R658 22/J3
R659 22/J3
R713 22/J3
R714 22/J3
R715 22/J3
560/J3
A
B
NO
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

COMPONENT NAME

F3:REC PB (PB_MUX)

12/18

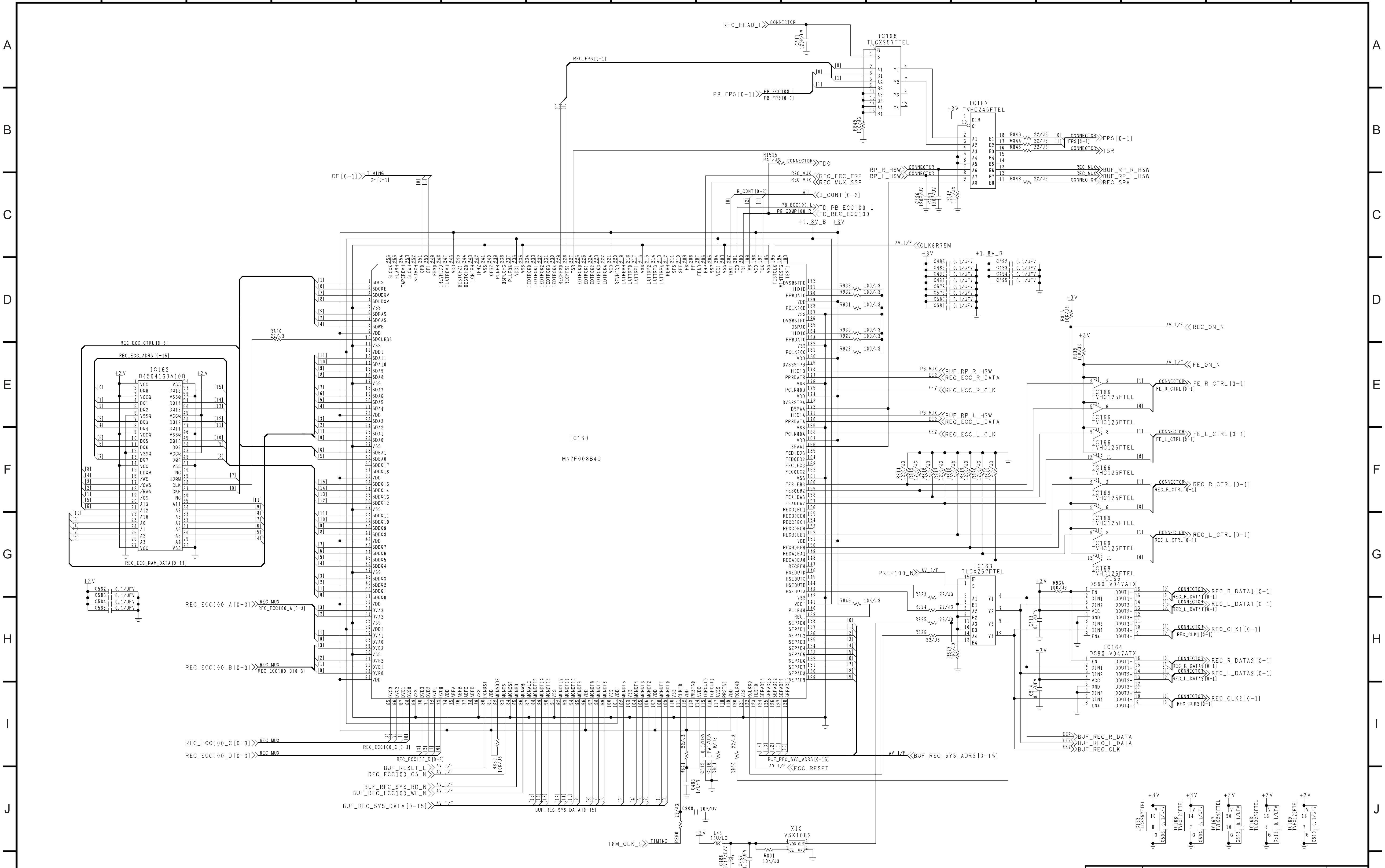
CIRCUIT BOARD NO.

DRAWING NO.

VEP83464B

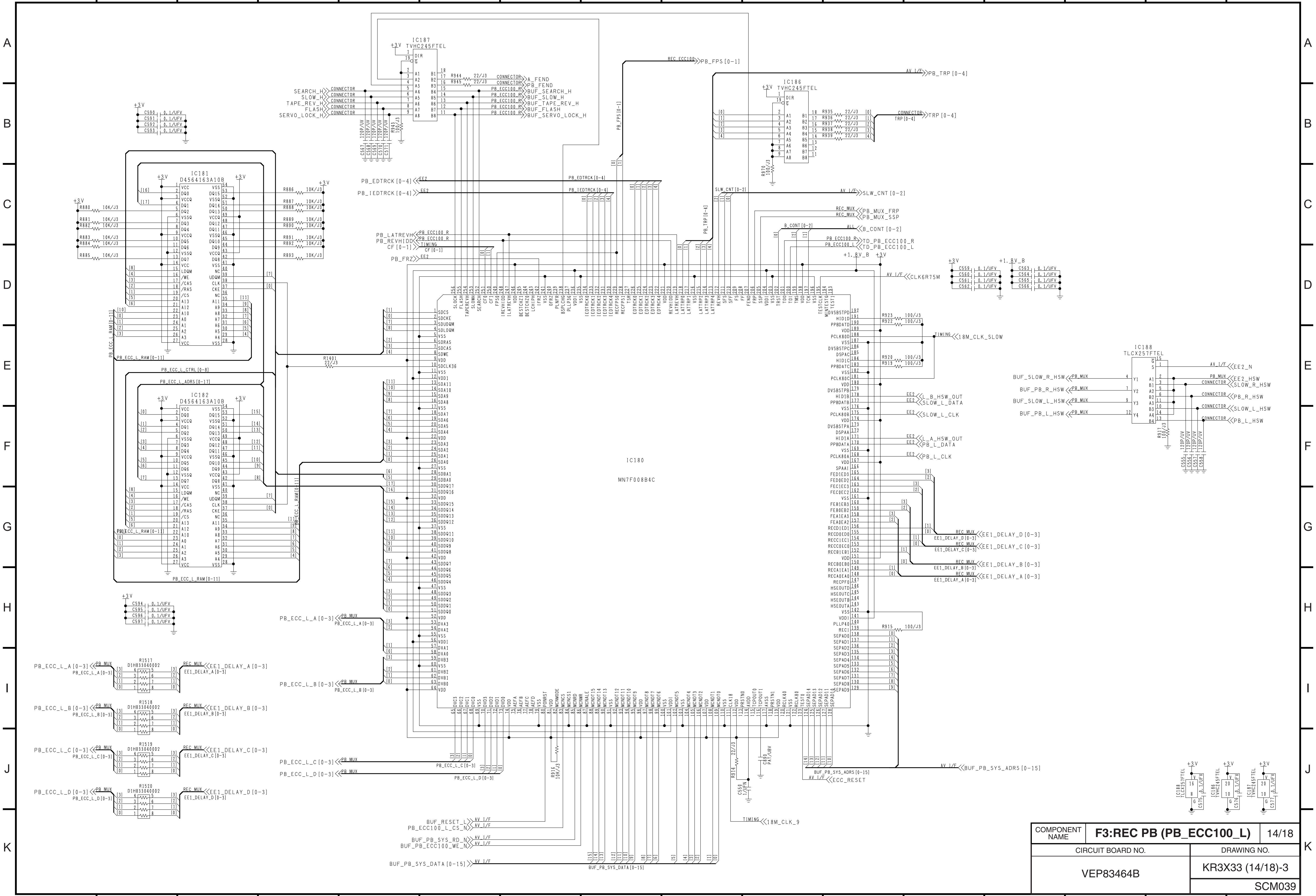
KR3X33 (12/18)-3

SCM037

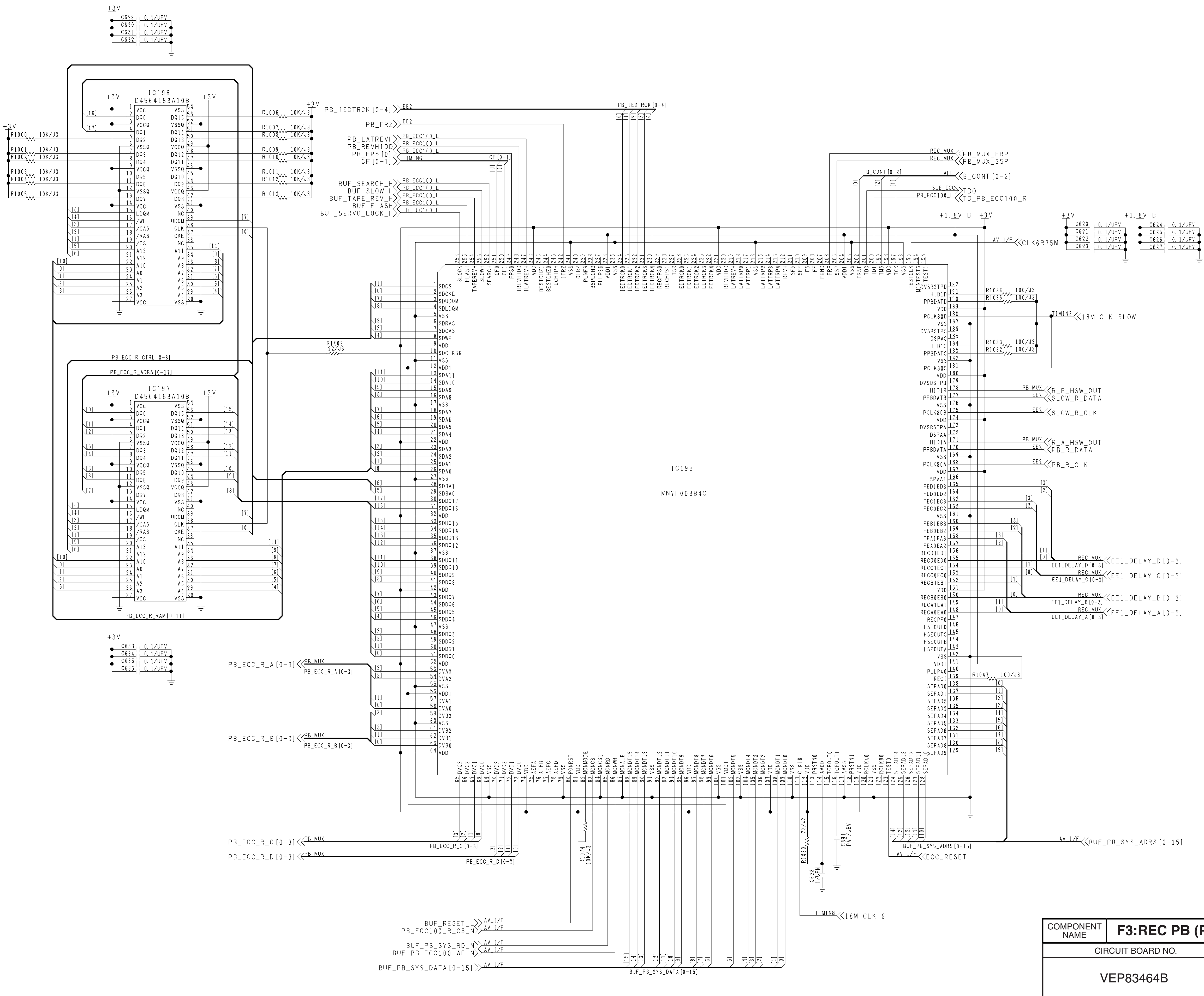


IC160
MN7F008B4C
IC162
D4564163A10B
IC167
TVHC245FTEL
IC168
TLCX257FTEL
IC163
TLCX257FTEL
IC164
DS90LV047ATX
IC165
DS90LV047ATX
IC166
TVHC125FTEL
IC169
TVHC125FTEL
X10
VSX1062
REC_HEAD_L
PB_FPS[0-1]
REC_FPS[0-1]
CF[0-1]
TIMING
REC_ECC_CTRL[0-8]
REC_ECC_ADRS[0-15]
REC_ECC_RAM_DATA[0-11]
FPS[0-1]
TSR
TD0
REC_ECC_FRP
REC_MUX_SSP
B_CONT[0-2]
TD_PB_ECC100_L
TD_REC_ECC100
RP_R_HSW
RP_L_HSW
BUF_RP_R_HSW
BUF_RP_L_HSW
REC_SPA
CLK6R75M
REC_ON_N
FE_ON_N
REC_ECC_R_DATA
REC_ECC_R_CLK
REC_ECC_L_DATA
REC_ECC_L_CLK
FE_R_CTRL[0-1]
FE_L_CTRL[0-1]
REC_R_CTRL[0-1]
REC_L_CTRL[0-1]
PREP100_N
REC_R_DATA1[0-1]
REC_L_DATA1[0-1]
REC_CLK1[0-1]
REC_R_DATA2[0-1]
REC_L_DATA2[0-1]
REC_CLK2[0-1]
REC_ECC100_A[0-3]
REC_ECC100_B[0-3]
REC_ECC100_C[0-3]
REC_ECC100_D[0-3]
BUF_RESET_L
REC_ECC100_CS_N
BUF_REC_SYS_RD_N
BUF_REC_ECC100_WE_N
BUF_REC_SYS_DATA[0-15]
BUF_REC_SYS_ADRS[0-15]
ECC_RESET
BUF_REC_R_DATA
BUF_REC_L_DATA
BUF_REC_CLK
18M_CLK_9
+3V
+1.8V_B

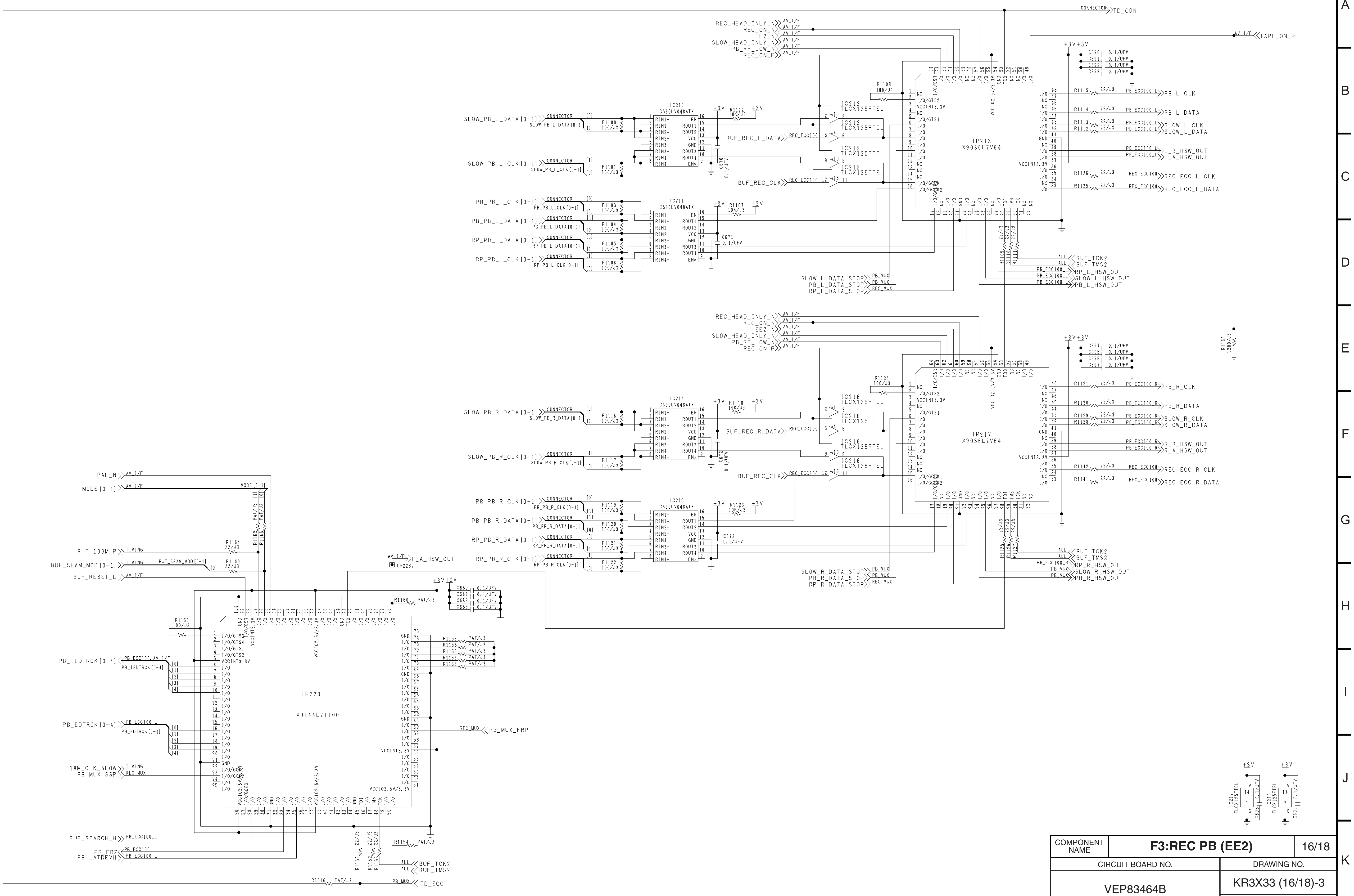
COMPONENT NAME	F3:REC PB (REC_ECC100)	13/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (13/18)-3	
	SCM038	


IC187
TVHC245FTEL
IC186
TVHC245FTEL
IC181
D4564163A10B
IC182
D4564163A10B
IC180
MN7F008B4C
IC188
TLCX257FTEL
SEARCH_H
SLOW_H
TAPE_REV_H
FLASH
SERVO_LOCK_H
A_FEND
PB_FEND
BUF_SEARCH_H
BUF_SLOW_H
BUF_TAPE_REV_H
BUF_FLASH
BUF_SERVO_LOCK_H
PB_FPS[0-1]
PB_TRP[0-4]
TRP[0-4]
PB_EDTRCK[0-4]
PB_IEDTRCK[0-4]
SLW_CNT[0-2]
PB_MUX_FRP
PB_MUX_SSP
B_CONT[0-2]
TD_PB_ECC100_R
TD_PB_ECC100_L
PB_LATREVH
PB_REVHIDD
CF[0-1]
PB_FRZ
CLK6R75M
18M_CLK_SLOW
EE2_N
SLOW_R_HSW
PB_R_HSW
SLOW_L_HSW
PB_L_HSW
BUF_SLOW_R_HSW
BUF_PB_R_HSW
BUF_SLOW_L_HSW
BUF_PB_L_HSW
L_B_HSW_OUT
SLOW_L_DATA
SLOW_L_CLK
L_A_HSW_OUT
PB_L_DATA
PB_L_CLK
EE1_DELAY_D[0-3]
EE1_DELAY_C[0-3]
EE1_DELAY_B[0-3]
EE1_DELAY_A[0-3]
PB_ECC_L_RAM[0-11]
PB_ECC_L_CTRL[0-8]
PB_ECC_L_ADRS[0-17]
PB_ECC_L_A[0-3]
PB_ECC_L_B[0-3]
PB_ECC_L_C[0-3]
PB_ECC_L_D[0-3]
R1517
R1518
R1519
R1520
D1H833040002
BUF_PB_SYS_ADRS[0-15]
ECC_RESET
18M_CLK_9
BUF_RESET_L
PB_ECC100_L_CS_N
BUF_PB_SYS_RD_N
BUF_PB_ECC100_WE_N
BUF_PB_SYS_DATA[0-15]
+3V
+1.8V_B

COMPONENT NAME	F3:REC PB (PB_ECC100_L)	14/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (14/18)-3	
	SCM039	

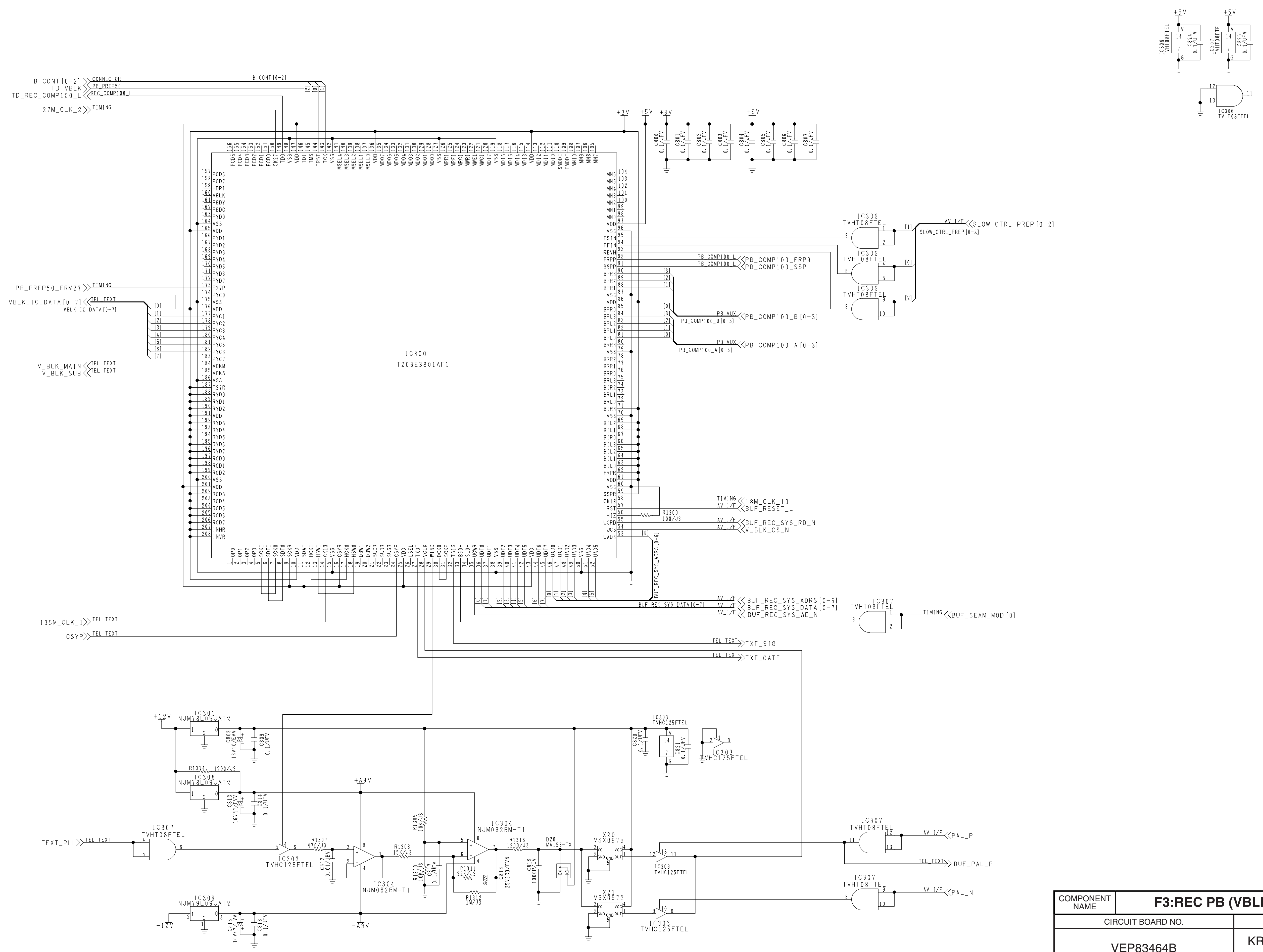

IC196
D4564163A10B
IC197
D4564163A10B
IC195
MN7F008B4C
+3V
+1.8V_B
PB_IEDTRCK[0-4]
PB_FRZ
PB_LATREVH
PB_REVHIDD
PB_FPS[0]
CF[0-1]
BUF_SEARCH_H
BUF_SLOW_H
BUF_TAPE_REV_H
BUF_FLASH
BUF_SERVO_LOCK_H
PB_MUX_FRP
PB_MUX_SSP
B_CONT[0-2]
TDO
TD_PB_ECC100_R
CLK6R75M
18M_CLK_SLOW
R_B_HSW_OUT
SLOW_R_DATA
SLOW_R_CLK
R_A_HSW_OUT
PB_R_DATA
PB_R_CLK
EE1_DELAY_D[0-3]
EE1_DELAY_C[0-3]
EE1_DELAY_B[0-3]
EE1_DELAY_A[0-3]
BUF_PB_SYS_ADRS[0-15]
ECC_RESET
18M_CLK_9
PB_ECC_R_A[0-3]
PB_ECC_R_B[0-3]
PB_ECC_R_C[0-3]
PB_ECC_R_D[0-3]
PB_ECC_R_CTRL[0-8]
PB_ECC_R_ADRS[0-11]
PB_ECC_R_RAM[0-11]
BUF_RESET_L
PB_ECC100_R_CS_N
BUF_PB_SYS_RD_N
BUF_PB_ECC100_WE_N
BUF_PB_SYS_DATA[0-15]
R1402 22/J3
R1074 10K/J3
R1030 22/J3
C628 1/UFN
C88 PA1/UBV
R1047 100/J3

COMPONENT NAME	F3:REC PB (PB_ECC100_R)	15/18
CIRCUIT BOARD NO.		DRAWING NO.
VEP83464B		KR3X33 (15/18)-3
		SCM040

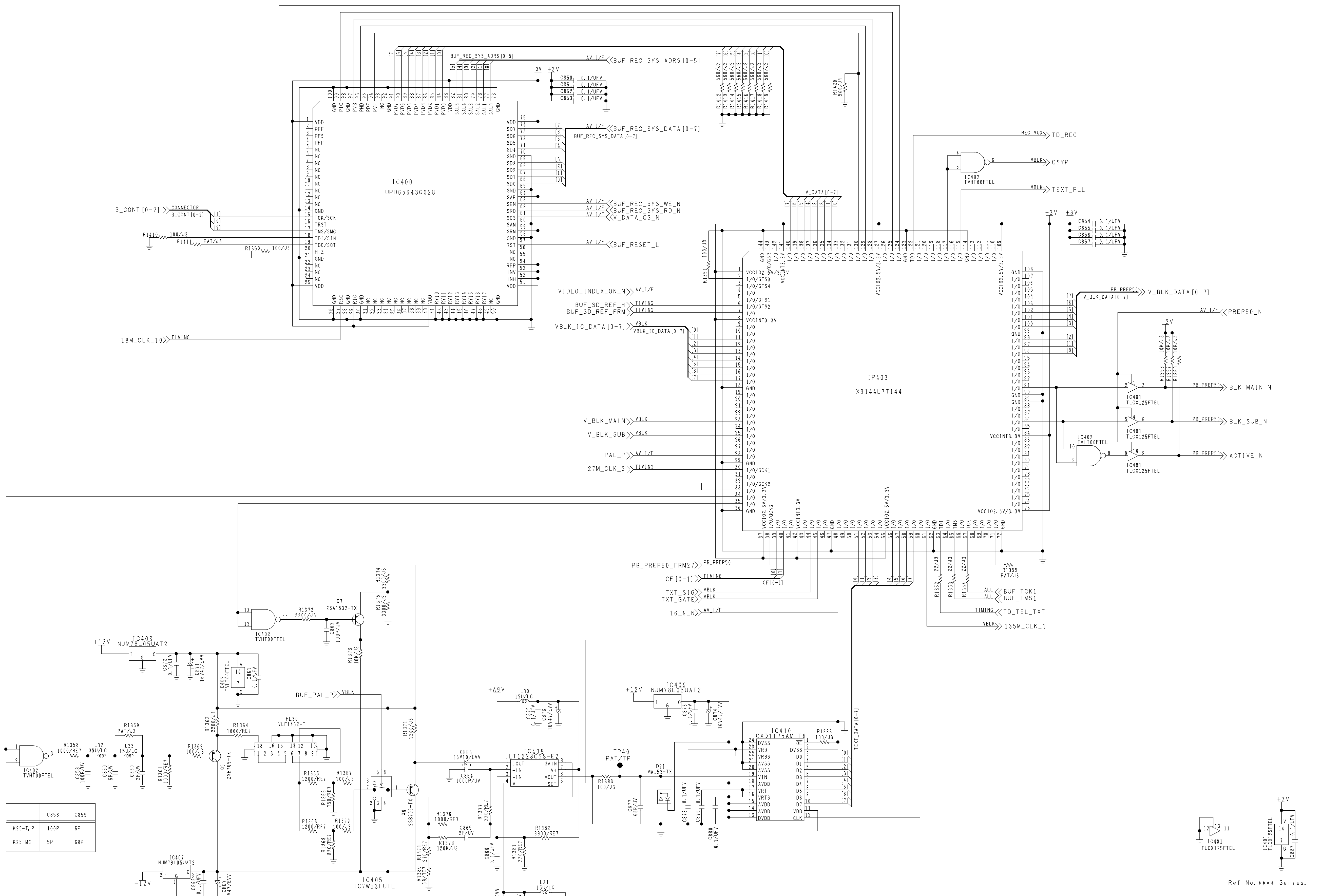


CONNECTOR TD_CON
REC_HEAD_ONLY_N
REC_ON_N
EE2_N
SLOW_HEAD_ONLY_N
PB_RF_LOW_N
REC_ON_P
AV_I/F
TAPE_ON_P
+3V
C690 0.1/UFV
C691 0.1/UFV
C692 0.1/UFV
C693 0.1/UFV
R1108 100/J3
IC212 TLCX125FTEL
IP213 X9036L7V64
R1115 22/J3 PB_ECC100_L PB_L_CLK
R1114 22/J3 PB_ECC100_L PB_L_DATA
R1113 22/J3 PB_ECC100_L SLOW_L_CLK
R1112 22/J3 PB_ECC100_L SLOW_L_DATA
PB_ECC100_L L_B_HSW_OUT
PB_ECC100_L L_A_HSW_OUT
R1136 22/J3 REC_ECC100 REC_ECC_L_CLK
R1135 22/J3 REC_ECC100 REC_ECC_L_DATA
SLOW_PB_L_DATA [0-1]
SLOW_PB_L_CLK [0-1]
IC210 DS90LV048ATX
R1100 100/J3
R1101 100/J3
R1102 10K/J3
C670 0.1/UFV
BUF_REC_L_DATA REC_ECC100
BUF_REC_CLK REC_ECC100
PB_PB_L_CLK [0-1]
PB_PB_L_DATA [0-1]
RP_PB_L_DATA [0-1]
RP_PB_L_CLK [0-1]
IC211 DS90LV048ATX
R1103 100/J3
R1104 100/J3
R1105 100/J3
R1106 100/J3
R1107 10K/J3
C671 0.1/UFV
R1109 22/J3
R1110 22/J3
R1111 22/J3
ALL BUF_TCK2
ALL BUF_TMS2
PB_ECC100_L RP_L_HSW_OUT
PB_ECC100_L SLOW_L_HSW_OUT
PB_ECC100_L PB_L_HSW_OUT
SLOW_L_DATA_STOP PB_MUX
PB_L_DATA_STOP PB_MUX
RP_L_DATA_STOP REC_MUX
R1161 1200/J3
C694 0.1/UFV
C695 0.1/UFV
C696 0.1/UFV
C697 0.1/UFV
R1124 100/J3
IC216 TLCX125FTEL
IP217 X9036L7V64
R1131 22/J3 PB_ECC100_R PB_R_CLK
R1130 22/J3 PB_ECC100_R PB_R_DATA
R1129 22/J3 PB_ECC100_R SLOW_R_CLK
R1128 22/J3 PB_ECC100_R SLOW_R_DATA
PB_ECC100_R R_B_HSW_OUT
PB_ECC100_R R_A_HSW_OUT
R1142 22/J3 REC_ECC100 REC_ECC_R_CLK
R1141 22/J3 REC_ECC100 REC_ECC_R_DATA
SLOW_PB_R_DATA [0-1]
SLOW_PB_R_CLK [0-1]
IC214 DS90LV048ATX
R1116 100/J3
R1117 100/J3
R1118 10K/J3
C672 0.1/UFV
BUF_REC_R_DATA REC_ECC100
BUF_REC_CLK REC_ECC100
PB_PB_R_CLK [0-1]
PB_PB_R_DATA [0-1]
RP_PB_R_DATA [0-1]
RP_PB_R_CLK [0-1]
IC215 DS90LV048ATX
R1119 100/J3
R1120 100/J3
R1121 100/J3
R1122 100/J3
R1123 10K/J3
C673 0.1/UFV
R1125 22/J3
R1126 22/J3
R1127 22/J3
ALL BUF_TCK2
ALL BUF_TMS2
PB_ECC100_R RP_R_HSW_OUT
PB_MUX SLOW_R_HSW_OUT
PB_MUX PB_R_HSW_OUT
SLOW_R_DATA_STOP PB_MUX
PB_R_DATA_STOP PB_MUX
RP_R_DATA_STOP REC_MUX
PAL_N AV_I/F
MODE [0-1] AV_I/F
BUF_100M_P TIMING
BUF_SEAM_MOD [0-1] TIMING
BUF_RESET_L AV_I/F
R1162 PAT/J3
R1165 PAT/J3
R1164 22/J3
R1163 22/J3
AV_I/F L_A_HSW_OUT
CP2287
C680 0.1/UFV
C681 0.1/UFV
C682 0.1/UFV
C683 0.1/UFV
R1160 PAT/J3
R1150 100/J3
IP220 X9144L7T100
R1159 PAT/J3
R1158 PAT/J3
R1157 PAT/J3
R1156 PAT/J3
R1155 PAT/J3
PB_IEDTRCK [0-4] PB_ECC100, AV_I/F
PB_EDTRCK [0-4] PB_ECC100_L
REC_MUX PB_MUX_FRP
18M_CLK_SLOW TIMING
PB_MUX_SSP REC_MUX
BUF_SEARCH_H PB_ECC100_L
PB_FRZ PB_ECC100
PB_LATREVH PB_ECC100_L
R1151 22/J3
R1152 22/J3
R1153 22/J3
R1154 PAT/J3
ALL BUF_TCK2
ALL BUF_TMS2
R1516 PAT/J3 PB_MUX TD_ECC
IC212 TLCX125FTEL C698 0.1/UFV
IC216 TLCX125FTEL C699 0.1/UFV

COMPONENT NAME	F3:REC PB (EE2)	16/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (16/18)-3	
	SCM041	

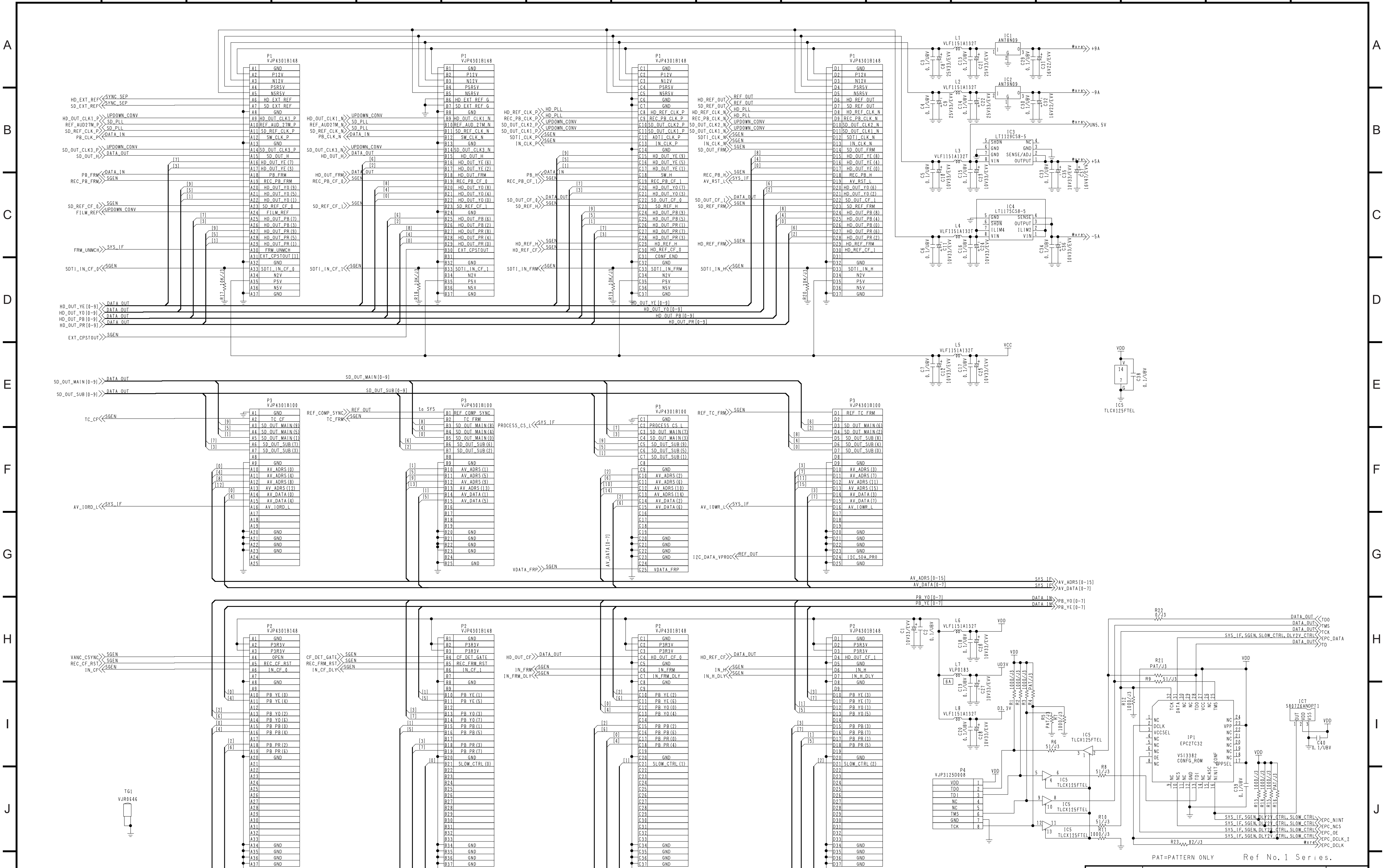

B_CONT[0-2]
TD_VBLK
TD_REC_COMP100_L
27M_CLK_2
CONNECTOR
PB_PREP50
REC_COMP100_L
TIMING
B_CONT[0-2]
PB_PREP50_FRM27
VBLK_IC_DATA[0-7]
TEL_TEXT
V_BLK_MAIN
V_BLK_SUB
135M_CLK_1
CSYP
IC300
T203E3801AF1
+3V
+5V
C800
C801
C802
C803
C804
C805
C806
C807
0.1/UFV
IC306
TVHT08FTEL
IC307
C824
C825
SLOW_CTRL_PREP[0-2]
AV_I/F
PB_COMP100_FRP9
PB_COMP100_SSP
PB_COMP100_L
PB_MUX
PB_COMP100_B[0-3]
PB_COMP100_A[0-3]
18M_CLK_10
BUF_RESET_L
R1300
100/J3
BUF_REC_SYS_RD_N
V_BLK_CS_N
BUF_REC_SYS_ADRS[0-6]
BUF_REC_SYS_DATA[0-7]
BUF_REC_SYS_WE_N
BUF_SEAM_MOD[0]
TXT_SIG
TXT_GATE
+12V
IC301
NJM78L05UAT2
C808
16V10/EV
C809
IC308
NJM78L09UAT2
R1314
1200/J3
C813
16V47/EV
C814
IC309
NJM79L09UAT2
-12V
C815
C816
TEXT_PLL
IC303
TVHC125FTEL
R1307
470/J3
C812
+A9V
-A9V
IC304
NJM082BM-T1
R1308
15K/J3
R1309
18K/J3
R1310
10K/J3
C817
R1311
22K/J3
R1312
1M/J3
C818
25V3R3/EVN
R1313
1200/J3
C819
100P/UV
D20
MA153-TX
X20
VSX0975
X21
VSX0973
C820
C821
PAL_P
BUF_PAL_P
PAL_N

COMPONENT NAME	F3:REC PB (VBLK)	17/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (17/18)-3	
	SCM042	


IC400
UPD65943G028
IP403
X9144L7T144
IC402
TVHT00FTEL
IC401
TLCX125FTEL
IC405
TC7W53FUTL
IC406
NJM78L05UAT2
IC407
NJM79L05UAT2
IC408
LT1228CS8-E2
IC409
NJM78L05UAT2
IC410
CXD1175AM-T6
FL30
VLF1462-T
Q5
2SB709-TX
Q6
2SB709-TX
Q7
2SA1532-TX
D21
MA153-TX
TP40
PAT/TP
BUF_REC_SYS_ADRS[0-5]
BUF_REC_SYS_DATA[0-7]
BUF_REC_SYS_WE_N
BUF_REC_SYS_RD_N
V_DATA_CS_N
BUF_RESET_L
B_CONT[0-2]
18M_CLK_10
TD_REC
CSYP
TEXT_PLL
V_BLK_DATA[0-7]
PREP50_N
BLK_MAIN_N
BLK_SUB_N
ACTIVE_N
VIDEO_INDEX_ON_N
BUF_SD_REF_H
BUF_SD_REF_FRM
VBLK_IC_DATA[0-7]
V_BLK_MAIN
V_BLK_SUB
PAL_P
27M_CLK_3
PB_PREP50_FRM27
CF[0-1]
TXT_SIG
TXT_GATE
16_9_N
BUF_TCK1
BUF_TMS1
TD_TEL_TXT
135M_CLK_1
BUF_PAL_P
TEXT_DATA[0-7]
V_DATA[0-7]
+3V
+12V
-12V
+A9V
-A9V
Ref No.**** Series.

	C858	C859
K25-T,P	100P	5P
K25-MC	5P	68P

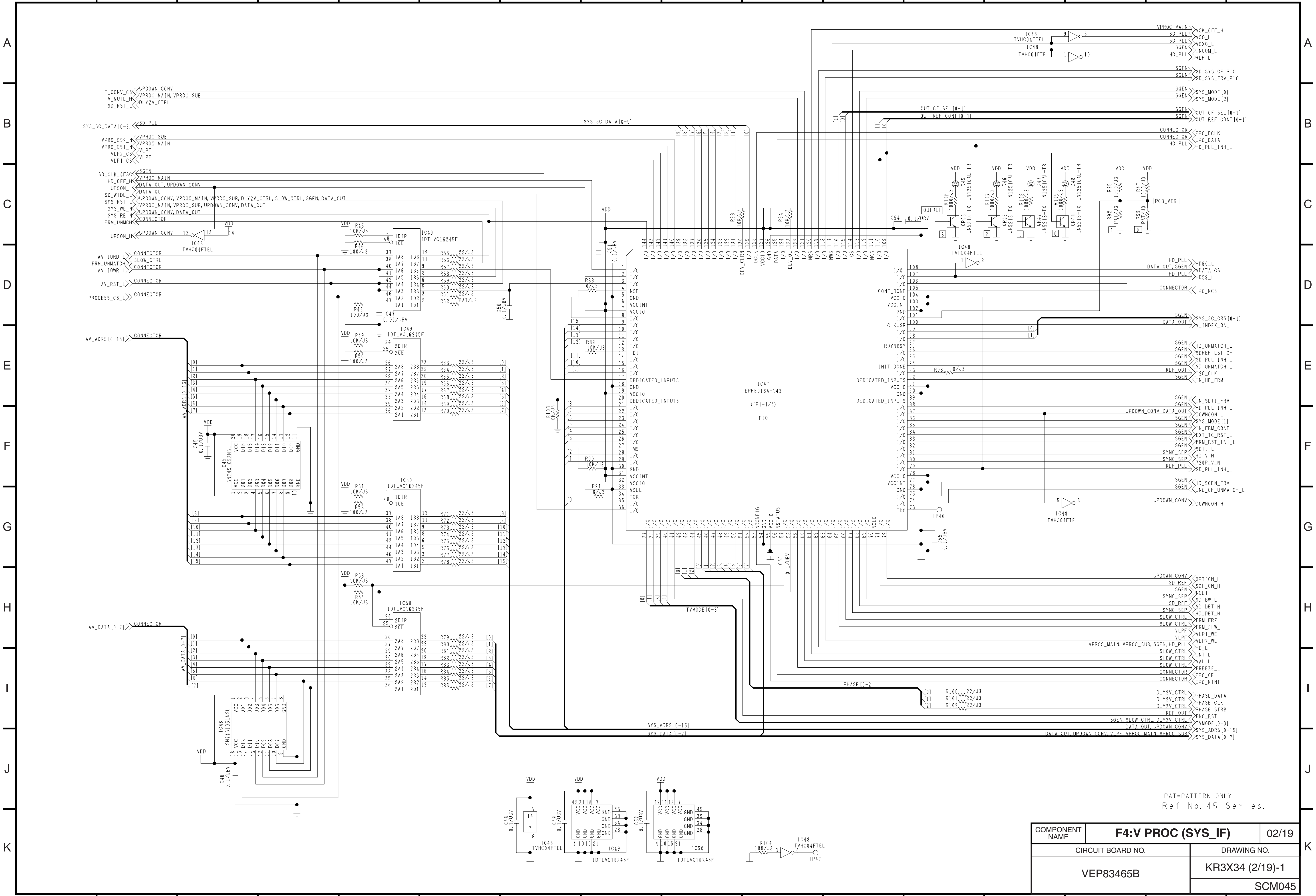
COMPONENT NAME	F3:REC PB (TEL_TXT)	18/18
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83464B	KR3X33 (18/18)-3	
	SCM043	


P1
VJP4301B148
P3
VJP4301B100
P2
VJP4301B148
P4
VJP3125D008
IC1
AN78N09
IC2
AN79N09
IC3
LT1129CS8-5
IC4
LT1175CS8-5
IC5
TLCX125FTEL
IC7
S80726ANDPT1
IP1
EPC2TC32
VS13382
CONFG_ROM
TG1
VJR0646
L1
VLF1151A132T
L7
VLP0183
+9A
-9A
UN5.5V
+5A
-5A
VCC
VDD
UD3V
D3.3V
HD_OUT_YE [0-9]
HD_OUT_YO [0-9]
HD_OUT_PB [0-9]
HD_OUT_PR [0-9]
EXT_CPSTOUT
SD_OUT_MAIN [0-9]
SD_OUT_SUB [0-9]
AV_ADRS [0-15]
AV_DATA [0-7]
PB_YO [0-7]
PB_YE [0-7]
SLOW_CTRL [0-2]
PB_PR [0-7]
PB_PB [0-7]
TDO
TMS
TCK
EPC_DATA
TD
EPC_NINT
EPC_NCS
EPC_OE
EPC_DCLK_2
EPC_DCLK

PAT=PATTERN ONLY

Ref No.1 Series.

COMPONENT NAME	F4:V PROC (CONNECTOR)	01/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (1/19)-1	
	SCM044	

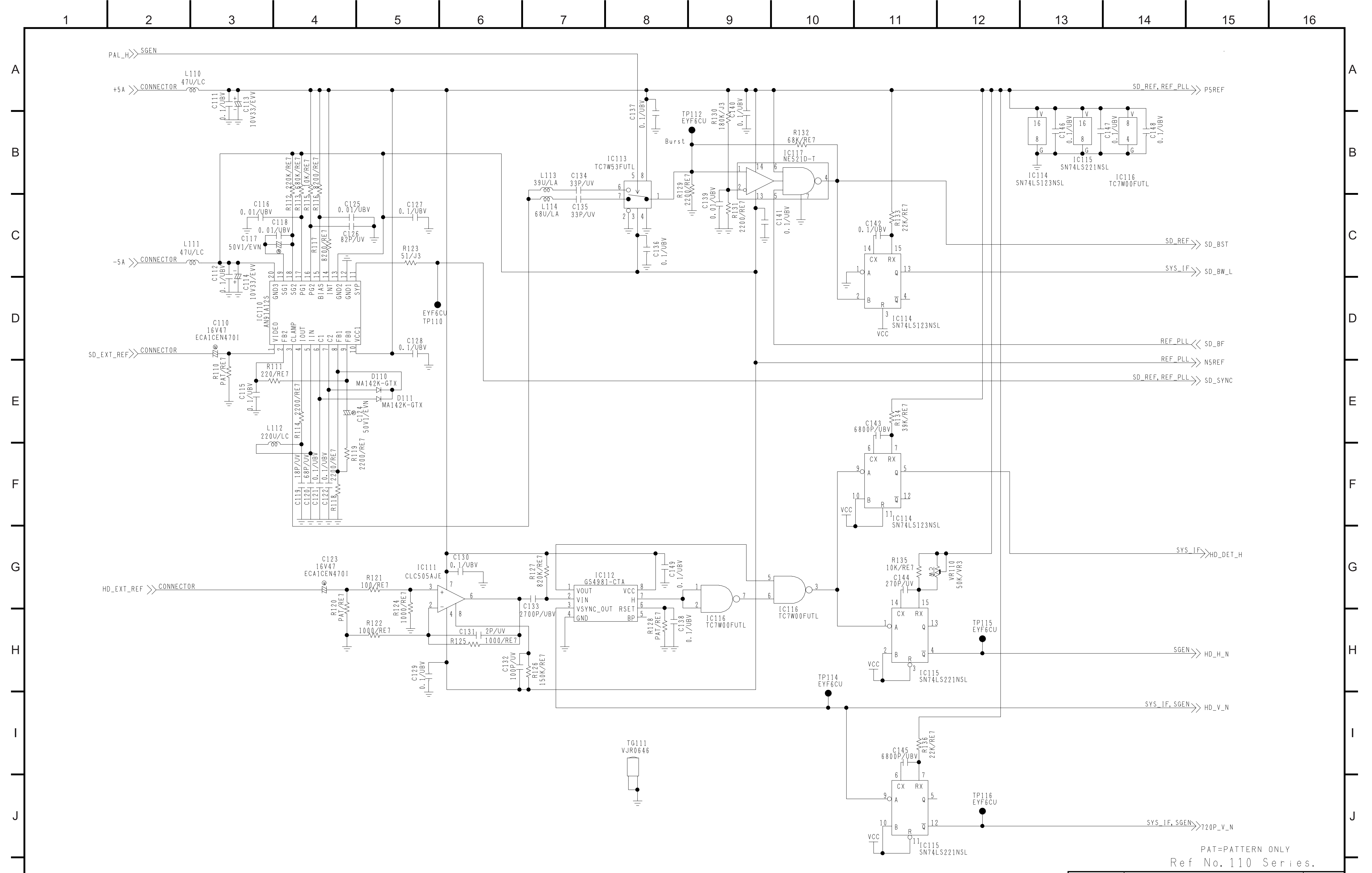


IC47
EPF6016A-143
(1P1-1/4)
PIO
IC49
IDTLVC16245F
IC50
IDTLVC16245F
IC45
SN74S1053NSL
IC46
SN74S1051NSL
IC48
TVHC04FTEL
SYS_SC_DATA[0-9]
SYS_ADRS[0-15]
SYS_DATA[0-7]
TVMODE[0-3]
PHASE[0-2]
AV_ADRS[0-15]
AV_DATA[0-7]
F_CONV_CS
V_MUTE_H
SD_RST_L
SYS_SC_DATA[0-9]
VPRO_CS2_N
VPRO_CS1_N
VLP2_CS
VLP1_CS
SD_CLK_4FSC
HD_OFF_H
UPCON_L
SD_WIDE_L
SYS_RST_L
SYS_WE_N
SYS_RE_N
FRM_UNMCH
UPCON_H
AV_IORD_L
FRM_UNMATCH
AV_IOWR_L
AV_RST_L
PROCESS_CS_L
AV_ADRS[0-15]
AV_DATA[0-7]
MCK_OFF_H
VCO_L
VCXO_L
INCOM_L
REF_L
SD_SYS_CF_PIO
SD_SYS_FRM_PIO
SYS_MODE[0]
SYS_MODE[2]
OUT_CF_SEL[0-1]
OUT_REF_CONT[0-1]
EPC_DCLK
EPC_DATA
HD_PLL_INH_L
PCB_VER
OUTREF
HD60_L
VDATA_CS
HD59_L
EPC_NCS
SYS_SC_CRS[0-1]
V_INDEX_ON_L
HD_UNMATCH_L
SDREF_LSI_CF
SD_PLL_INH_L
SD_UNMATCH_L
I2C_CLK
IN_HD_FRM
IN_SDTI_FRM
HD_PLL_INH_L
DOWNCON_L
SYS_MODE[1]
IN_FRM_CONT
EXT_TC_RST_L
FRM_RST_INH_L
SDTI_L
HD_V_N
720P_V_N
SD_PLL_INH_L
HD_SGEN_FRM
ENC_CF_UNMATCH_L
DOWNCON_H
OPTION_L
SCH_ON_H
NCEI
SD_BW_L
SD_DET_H
HD_DET_H
FRM_FRZ_L
FRM_SLW_L
VLP1_WE
VLP2_WE
HD_L
INT_L
VAL_L
FREEZE_L
EPC_OE
EPC_NINT
PHASE_DATA
PHASE_CLK
PHASE_STRB
ENC_RST
TVMODE[0-3]
SYS_ADRS[0-15]
SYS_DATA[0-7]
QR45 UN5213-TX
QR46 UN5213-TX
QR47 UN5213-TX
QR48 UN5213-TX
D45 LN1251CAL-TR
D46 LN1251CAL-TR
D47 LN1251CAL-TR
D48 LN1251CAL-TR
TP46
TP47
VDD

PAT=PATTERN ONLY

Ref No. 45 Series.

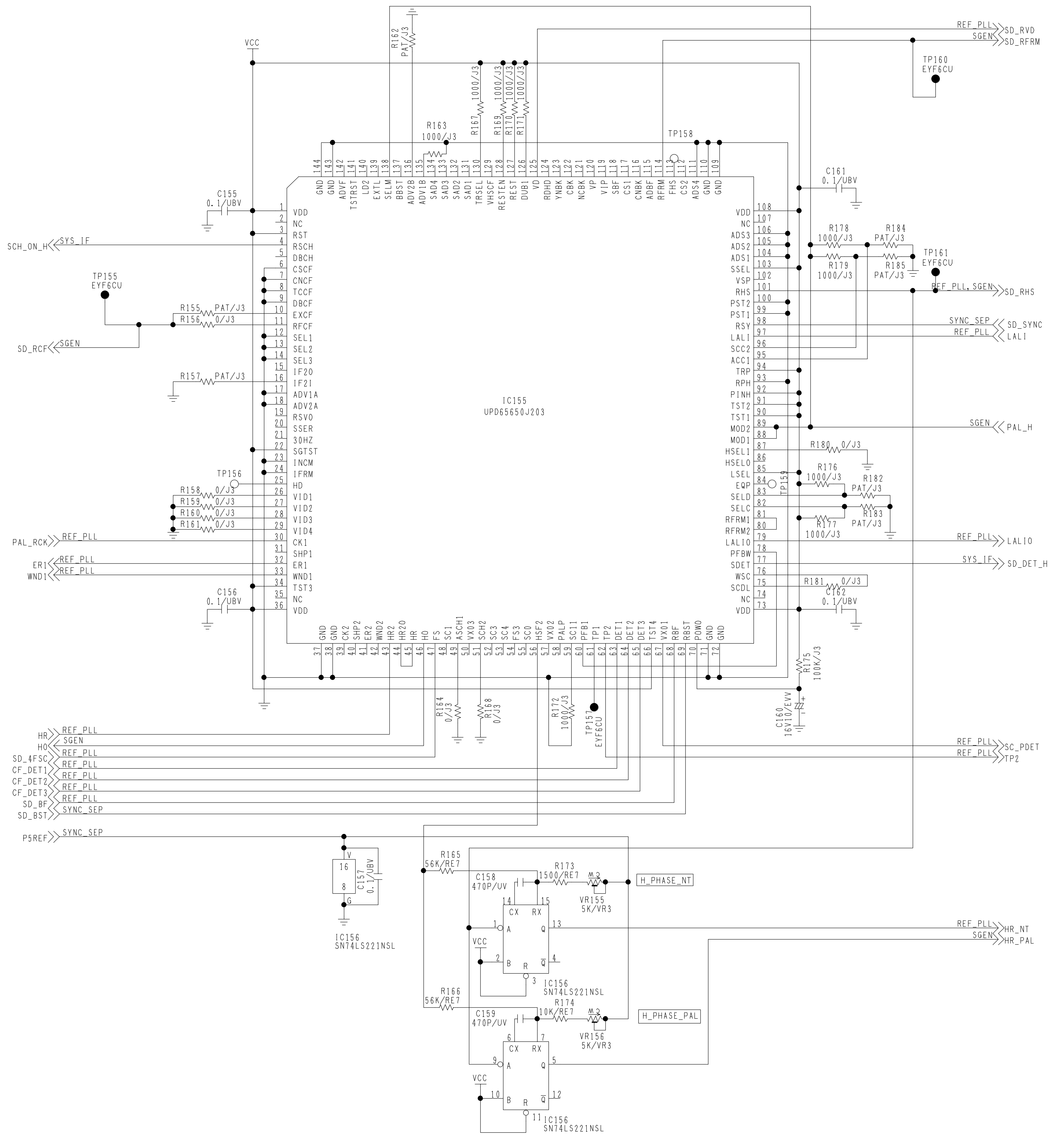
COMPONENT NAME	F4:V PROC (SYS_IF)	02/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (2/19)-1	
	SCM045	


PAL_H SGEN
+5A CONNECTOR
L110 47U/LC
C111 0.1/UBV
C113 10V33/EVV
-5A CONNECTOR
L111 47U/LC
C112 0.1/UBV
C114 10V33/EVV
C116 0.01/UBV
C117 50V1/EVN
C118 0.01/UBV
R112 220K/RE7
R113 680K/RE7
R115 10K/RE7
R116 2200/RE7
R117 8200/RE7
C125 0.01/UBV
C126 82P/UV
C127 0.1/UBV
R123 51/J3
IC110 AN91A125
GND3 SG1 SG2 PG1 PG2 BIAS INT GND2 GND1 SYP
VIDEO FB2 CLAMP IOUT IIN C1 C2 FB1 FB0 VCC1
EYF6CU TP110
C110 16V47 ECA1CEN470I
SD_EXT_REF CONNECTOR
R110 PAT/RE7
R111 220/RE7
C115 0.1/UBV
D110 MA142K-GTX
D111 MA142K-GTX
C124 50V1/EVN
R114 2200/RE7
L112 220U/LC
R119 2200/RE7
C119 18P/UV
C120 68P/UV
C121 0.1/UBV
C122 220/RE7
R118
C128 0.1/UBV
L113 39U/LA
L114 68U/LA
C134 33P/UV
C135 33P/UV
IC113 TC7W53FUTL
C137 0.1/UBV
C136 0.1/UBV
TP112 EYF6CU
Burst
R129 2200/RE7
C139 0.01/UBV
R130 180K/J3
C140 0.1/UBV
R131 2200/RE7
R132 68K/RE7
IC117 NE521D-T
C141 0.1/UBV
C142 0.1/UBV
R133 22K/RE7
IC114 SN74LS123NSL
CX RX A Q B R VCC
IC115 SN74LS221NSL
IC116 TC7W00FUTL
C146 0.1/UBV
C147 0.1/UBV
C148 0.1/UBV
SD_REF, REF_PLL P5REF
SD_REF SD_BST
SYS_IF SD_BW_L
REF_PLL SD_BF
REF_PLL N5REF
SD_REF, REF_PLL SD_SYNC
C143 6800P/UBV
R134 39K/RE7
SYS_IF HD_DET_H
C123 16V47 ECA1CEN470I
HD_EXT_REF CONNECTOR
R120 PAT/RE7
R121 100/RE7
R122 1000/RE7
R124 1000/RE7
IC111 CLC505AJE
C130 0.1/UBV
C131 2P/UV
R125 1000/RE7
C129 0.1/UBV
C132 100P/UV
R126 150K/RE7
C133 2700P/UBV
R127 820K/RE7
IC112 GS4981-CTA
VOUT VIN VSYNC_OUT GND VCC H RSET BP
C149 0.1/UBV
R128 PAT/RE7
C138 0.1/UBV
R135 10K/RE7
VR110 50K/VR3
C144 270P/UV
TP115 EYF6CU
SGEN HD_H_N
TP114 EYF6CU
SYS_IF, SGEN HD_V_N
TG111 VJR0646
C145 6800P/UBV
R136 22K/RE7
TP116 EYF6CU
SYS_IF, SGEN 720P_V_N

PAT=PATTERN ONLY

Ref No.110 Series.

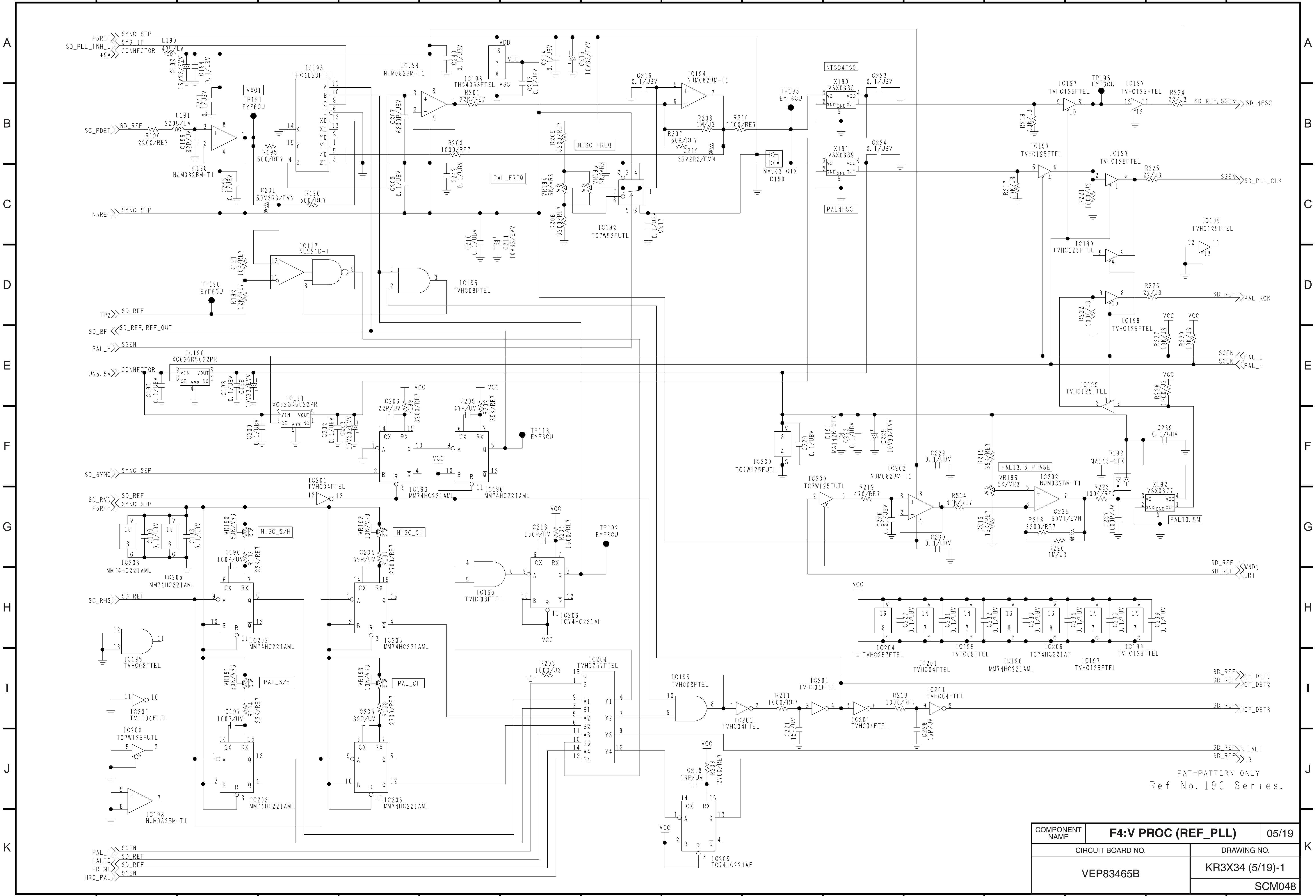
COMPONENT NAME	F4:V PROC (SYNC_SEP)	03/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (3/19)-1	
	SCM046	


IC155
UPD65650J203
VCC
SCH_ON_H
SYS_IF
TP155
EYF6CU
SD_RCF
SGEN
R155 PAT/J3
R156 0/J3
R157 PAT/J3
C155 0.1/UBV
C156 0.1/UBV
TP156
R158 0/J3
R159 0/J3
R160 0/J3
R161 0/J3
PAL_RCK
REF_PLL
ER1
WND1
VDD
NC
RST
RSCH
DBCH
CSCF
CNCF
TCCF
DBCF
EXCF
RFCF
SEL1
SEL2
SEL3
IF20
IF21
ADV1A
ADV2A
RSVO
SSER
30HZ
SGTST
INCM
IFRM
HD
VID1
VID2
VID3
VID4
CK1
SHP1
ER1
WND1
TST3
NC
VDD
GND
GND
ADVF
TSTRST
LD2
EXTL
SELM
BBST
ADV2B
ADV1B
SAD4
SAD3
SAD2
SAD1
TRSEL
VHSCF
RESTEN
REST
DUB1
VD
RDHD
YNBK
CBK
NCBK
VP
VIP
SBF
CS1
CNBK
ADBF
RFRM
FHS
CS2
ADS4
GND
GND
VDD
NC
ADS3
ADS2
ADS1
SSEL
VSP
RHS
PST2
PST1
RSY
LALI
SCC2
ACC1
TRP
RPH
PINH
TST2
TST1
MOD2
MOD1
HSEL1
HSEL0
LSEL
EQP
SELD
SELC
RFRM1
RFRM2
LALIO
PFBW
SDET
WSC
SCDL
NC
VDD
GND
GND
CK2
SHP2
ER2
WND2
HR2
HR20
HR
HD
FS
SC1
ASCH1
VX03
SCH2
SC3
SC4
FS3
SC0
HSF2
VX02
PALP
SC11
PFB1
TP1
TP2
DET1
DET2
DET3
TST4
VX01
RBF
RBST
POWO
GND
GND
R162 PAT/J3
R163 1000/J3
R167 1000/J3
R169 1000/J3
R170 1000/J3
R171 1000/J3
TP158
REF_PLL
SD_RVD
SGEN
SD_RFRM
TP160
EYF6CU
C161 0.1/UBV
R178 1000/J3
R184 PAT/J3
R179 1000/J3
R185 PAT/J3
TP161
EYF6CU
REF_PLL, SGEN
SD_RHS
SYNC_SEP
SD_SYNC
REF_PLL
LALI
SGEN
PAL_H
R180 0/J3
R176 1000/J3
R182 PAT/J3
R177 1000/J3
R183 PAT/J3
TP159
REF_PLL
LALIO
SYS_IF
SD_DET_H
R181 0/J3
C162 0.1/UBV
R175 100K/J3
C160 16V10/EVV
R164 0/J3
R168 0/J3
R172 1000/J3
TP157
EYF6CU
HR
H0
SD_4FSC
CF_DET1
CF_DET2
CF_DET3
SD_BF
SD_BST
REF_PLL
SGEN
SYNC_SEP
REF_PLL
SC_PDET
REF_PLL
TP2
P5REF
SYNC_SEP
IC156
SN74LS221NSL
C157 0.1/UBV
R165 56K/RE7
C158 470P/UV
R173 1500/RE7
VR155 5K/VR3
H_PHASE_NT
CX
RX
A
B
R
Q
VCC
REF_PLL
HR_NT
SGEN
HR_PAL
IC156
SN74LS221NSL
R166 56K/RE7
C159 470P/UV
R174 10K/RE7
VR156 5K/VR3
H_PHASE_PAL
IC156
SN74LS221NSL

PAT=PATTERN ONLY

Ref No. 155 Seies.

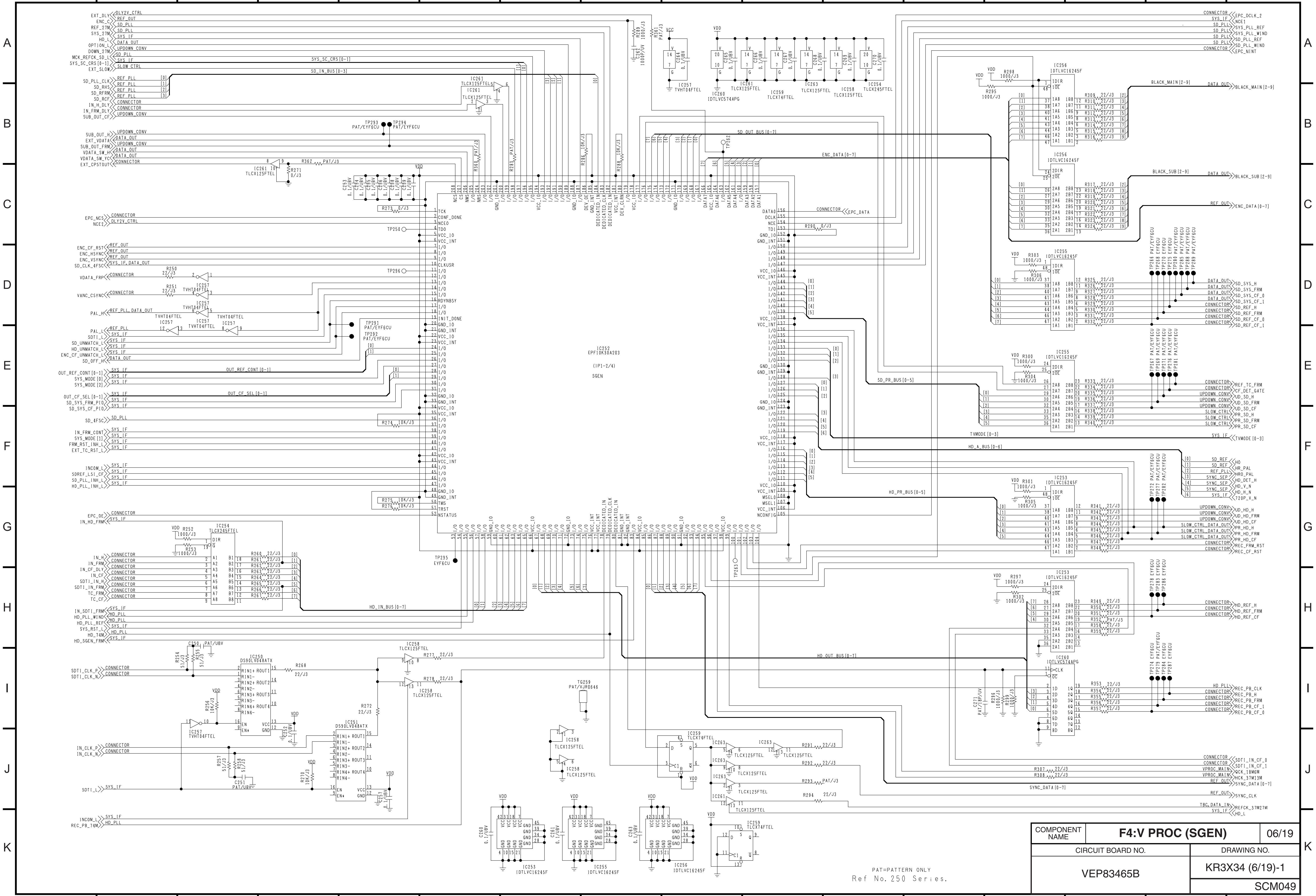
COMPONENT NAME	F4:V PROC (SD_REF)	04/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (4/19)-1	
	SCM047	


P5REF SYNC_SEP
SYS_IF
SD_PLL_INH_L
+9A CONNECTOR
L190 47U/LA
C192 16V22/EVV
C194 0.1/UBV
C241 0.1/UBV
VX01
TP191 EYF6CU
SC_PDET SD_REF
R190 2200/RE7
L191 220U/LA
C195 82P/UV
IC198 NJM082BM-T1
C243 0.1/UBV
R195 560/RE7
C201 50V3R3/EVN
R196 560/RE7
N5REF SYNC_SEP
IC193 THC4053FTEL
IC194 NJM082BM-T1
C207 6800P/UBV
C208 0.1/UBV
C240 0.1/UBV
R201 22K/RE7
R200 1000/RE7
C242 0.1/UBV
IC193 THC4053FTEL
VDD VEE VSS
C212 0.1/UBV
C214 0.1/UBV
C215 10V33/EVV
PAL_FREQ
NTSC_FREQ
R205 8200/RE7
VR194 5K/VR3
VR195 5K/VR3
R206 8200/RE7
IC192 TC7W53FUTL
C217 0.1/UBV
C210 0.1/UBV
C211 10V33/EVV
C216 0.1/UBV
IC194 NJM082BM-T1
R208 1M/J3
R207 56K/RE7
C219 35V2R2/EVN
R210 1000/RE7
TP193 EYF6CU
MA143-GTX D190
NTSC4FSC
X190 VSX0688
C223 0.1/UBV
X191 VSX0689
C224 0.1/UBV
PAL4FSC
IC197 TVHC125FTEL
TP195 EYF6CU
R224 22/J3
SD_REF, SGEN SD_4FSC
R219 10K/J3
R217 10K/J3
R221 1000/J3
R225 22/J3
SGEN SD_PLL_CLK
IC199 TVHC125FTEL
R226 22/J3
SD_REF PAL_RCK
R222 1000/J3
R227 10K/J3
R229 10K/J3
VCC
SGEN PAL_L
SGEN PAL_H
R228 1000/J3
IC117 NE521D-T
R191 10K/RE7
R192 12K/RE7
TP190 EYF6CU
TP2 SD_REF
SD_BF SD_REF, REF_OUT
PAL_H SGEN
IC195 TVHC08FTEL
IC190 XC62GR5022PR
UN5.5V CONNECTOR
VIN VOUT CE VSS NC
C191 0.1/UBV
C198 0.1/UBV
C199 10V33/EVV
IC191 XC62GR5022PR
C200 0.1/UBV
C202 0.1/UBV
C203 10V33/EVV
C206 22P/UV
R199 8200/RE7
C209 47P/UV
R202 39K/RE7
TP113 EYF6CU
IC196 MM74HC221AML
SD_SYNC SYNC_SEP
IC201 TVHC04FTEL
SD_RVD SD_REF
P5REF SYNC_SEP
IC200 TC7W125FUTL
C220 0.1/UBV
D191 MA142K-GTX
C222 0.1/UBV
C225 10V33/EVV
IC202 NJM082BM-T1
C229 0.1/UBV
R215 39K/RE7
PAL13.5_PHASE
VR196 5K/VR3
D192 MA143-GTX
C239 0.1/UBV
R212 470/RE7
R214 47K/RE7
C226 0.01/UBV
C230 0.1/UBV
R216 15K/RE7
R218 3300/RE7
C235 50V1/EVN
R220 1M/J3
R223 1000/RE7
C237 1000P/UV
X192 VSX0677
PAL13.5M
SD_REF WND1
SD_REF ER1
IC203 MM74HC221AML
IC205 MM74HC221AML
C190 0.1/UBV
C193 0.1/UBV
VR190 50K/VR3
NTSC_S/H
C196 100P/UV
R193 22K/RE7
VR192 10K/VR3
NTSC_CF
C204 39P/UV
R197 2700/RE7
C213 100P/UV
R204 1800/RE7
TP192 EYF6CU
IC206 TC74HC221AF
SD_RHS SD_REF
VR191 50K/VR3
PAL_S/H
C197 100P/UV
R194 22K/RE7
VR193 10K/VR3
PAL_CF
C205 39P/UV
R198 2700/RE7
IC204 TVHC257FTEL
R203 1000/J3
C227 0.1/UBV
C231 0.1/UBV
C232 0.1/UBV
C233 0.1/UBV
C234 0.1/UBV
C236 0.1/UBV
C238 0.1/UBV
IC204 TVHC257FTEL
IC195 TVHC08FTEL
IC206 TC74HC221AF
IC199 TVHC125FTEL
IC201 TVHC04FTEL
IC196 MM74HC221AML
IC197 TVHC125FTEL
SD_REF CF_DET1
SD_REF CF_DET2
R211 1000/RE7
R213 1000/RE7
C221 15P/UV
C228 15P/UV
SD_REF CF_DET3
SD_REF LALI
SD_REF HR
C218 15P/UV
R209 2700/RE7
PAL_H SGEN
LALIO SD_REF
HR_NT SD_REF
HRO_PAL SGEN

PAT=PATTERN ONLY

Ref No. 190 Series.

COMPONENT NAME	F4:V PROC (REF_PLL)	05/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (5/19)-1	
	SCM048	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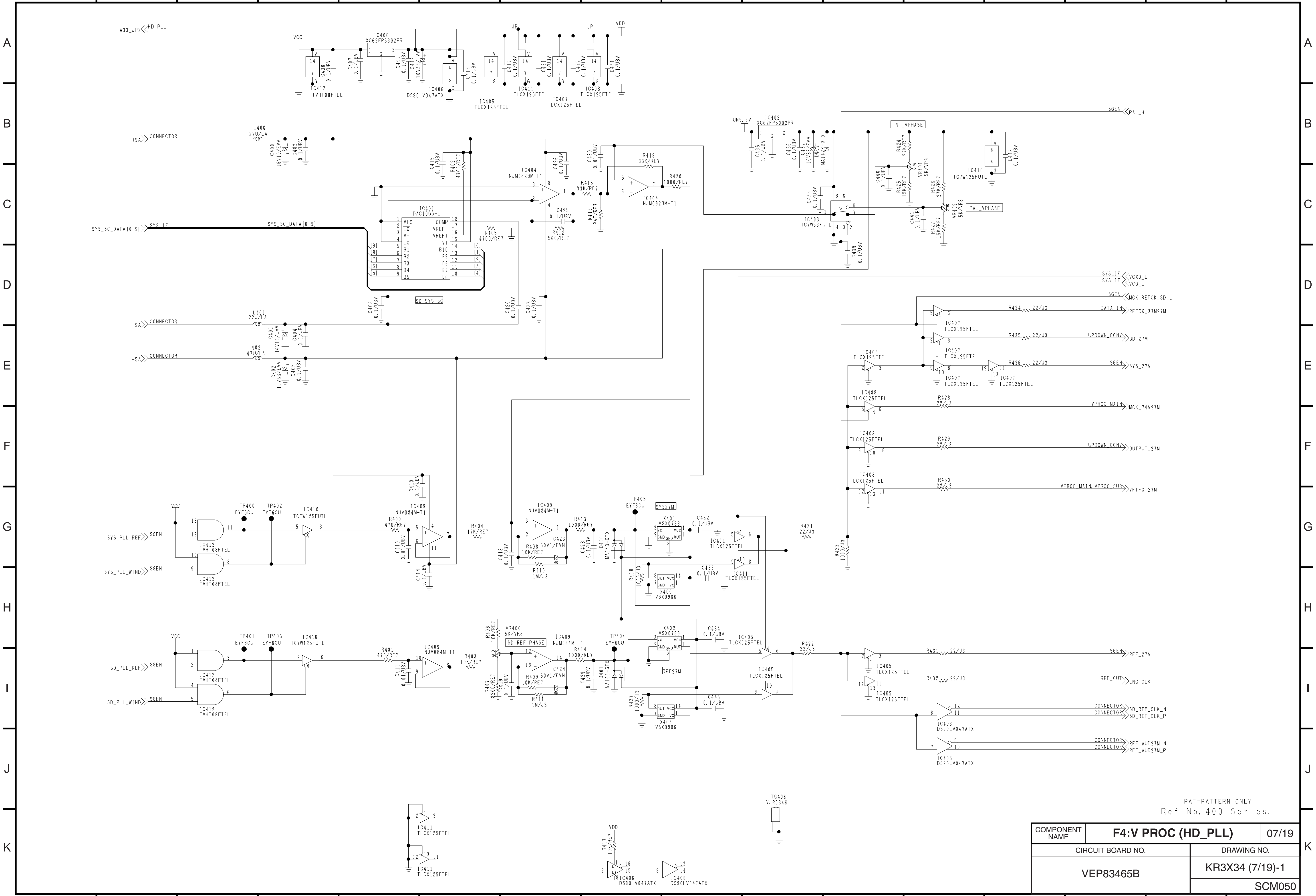
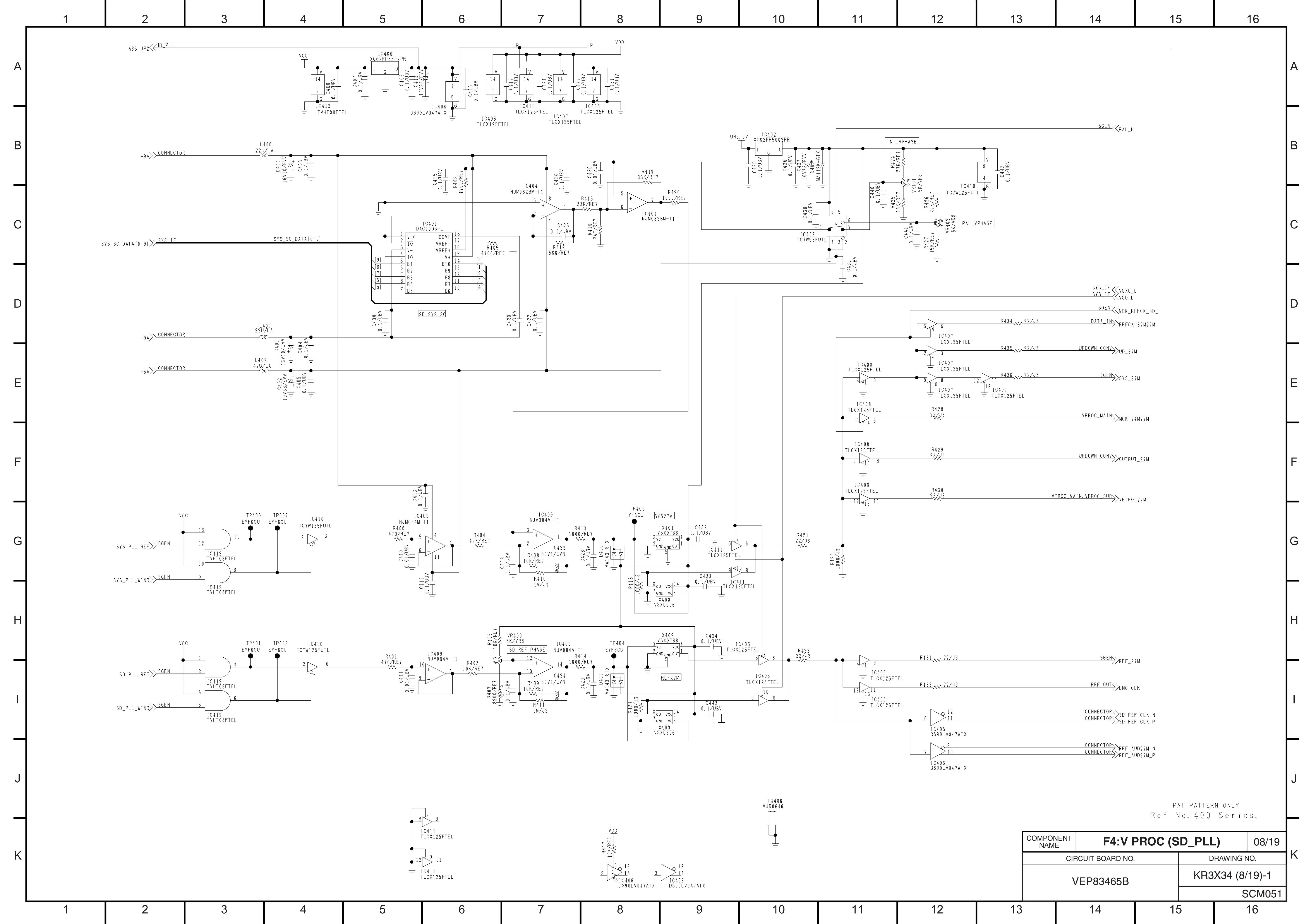
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
EXT_DLY
ENC_C
REF_27M
SYS_27M
HD_L
OPTION_L
DOWN_27M
MCK_REFCK_SD_L
SYS_SC_CRS[0-1]
EXT_SLOW
DLY2V_CTRL
REF_OUT
SD_PLL
SYS_IF
DATA_OUT
UPDOWN_CONV
SLOW_CTRL
SYS_SC_CRS[0-1]
SD_IN_BUS[0-3]
SD_PLL_CLK
SD_RHS
SD_RFRM
SD_RCF
IN_H_DLY
IN_FRM_DLY
SUB_OUT_CF
REF_PLL
CONNECTOR
SUB_OUT_H
EXT_VDATA
SUB_OUT_FRM
VDATA_SW_H
VDATA_SW_YC
EXT_CPSTOUT
IC261
TLCX125FTEL
R271
0/J3
R362
PAT/J3
TP293
PAT/EYF6CU
TP294
PAT/EYF6CU
R289
1000/J3
R361
PAT/J3
C262
1000P/UV
VCC
VDD
IC257
TVHT04FTEL
IC260
IDTLVC574APG
IC261
TLCX125FTEL
IC259
TLCX74FTEL
IC263
TLCX125FTEL
IC258
TLCX125FTEL
IC254
TLCX245FTEL
SD_OUT_BUS[0-7]
ENC_DATA[0-7]
TP262
R286
10K/J3
R288
10K/J3
R283
PAT/J3
R360
PAT/J3
C253
0.1/UBV
R273
0/J3
EPC_NCS
NCE2
CONNECTOR
DLY2V_CTRL
TP250
ENC_CF_RST
ENC_HSYNC
ENC_VSYNC
SD_CLK_4FSC
REF_OUT
SYS_IF_DATA_OUT
VDATA_FRP
R250
22/J3
TP296
VANC_CSYNC
R251
22/J3
PAL_H
REF_PLL_DATA_OUT
TVHT04FTEL
PAL_L
SDTI_L
SD_UNMATCH_L
HD_UNMATCH_L
ENC_CF_UNMATCH_L
SD_OFF_H
TP291
PAT/EYF6CU
TP292
PAT/EYF6CU
OUT_REF_CONT[0-1]
SYS_MODE[0]
SYS_MODE[2]
OUT_CF_SEL[0-1]
SD_SYS_FRM_PIO
SD_SYS_CF_PIO
SD_4FSC
IN_FRM_CONT
SYS_MODE[1]
FRM_RST_INH_L
EXT_TC_RST_L
INCOM_L
SDREF_LSI_CF
SD_PLL_INH_L
HD_PLL_INH_L
EPC_OE
IN_HD_FRM
R274
10K/J3
R275
10K/J3
R276
10K/J3
IC252
EPF10K30A203
(1P1-1/4)
SGEN
TCK
CONF_DONE
NCEO
TDO
VCC_IO
VCC_INT
I/O
CLKUSR
RDYNBSY
INIT_DONE
GND_IO
GND_INT
TMS
TRST
NSTATUS
DATA0
DCLK
NCE
TDI
MSEL0
MSEL1
NCONFIG
DEDICATED_IN
DEDICATED_CLK
DEV_OE
DEV_CLRN
NCS
CS
NWS
NRS
CONNECTOR
EPC_DATA
R290
0/J3
SD_PR_BUS[0-5]
TVMODE[0-3]
HD_A_BUS[0-6]
HD_PR_BUS[0-5]
HD_OUT_BUS[0-7]
HD_IN_BUS[0-7]
SYNC_DATA[0-7]
TP235
EYF6CU
TP263
IC256
IDTLVC16245F
IC255
IDTLVC16245F
IC253
IDTLVC16245F
IC260
IDTLVC574APG
R298
1000/J3
R295
1000/J3
R303
1000/J3
R306
1000/J3
R300
1000/J3
R304
1000/J3
R301
1000/J3
R305
1000/J3
R297
1000/J3
R302
1000/J3
BLACK_MAIN[2-9]
BLACK_SUB[2-9]
DATA_OUT
REF_OUT
EPC_DCLK_2
NCE1
SYS_PLL_REF
SYS_PLL_WIND
SD_PLL_REF
SD_PLL_WIND
EPC_NINT
ENC_DATA[0-7]
SD_SYS_H
SD_SYS_FRM
SD_SYS_CF_0
SD_SYS_CF_1
SD_REF_H
SD_REF_FRM
SD_REF_CF_0
SD_REF_CF_1
REF_TC_FRM
CF_DET_GATE
UD_SD_H
UD_SD_FRM
UD_SD_CF
PR_SD_H
PR_SD_FRM
PR_SD_CF
TVMODE[0-3]
HD
HR_PAL
HRO_PAL
HD_DET_H
HD_V_N
HD_H_N
720P_V_N
UD_HD_H
UD_HD_FRM
UD_HD_CF
PR_HD_H
PR_HD_FRM
PR_HD_CF
REC_FRM_RST
REC_CF_RST
HD_REF_H
HD_REF_FRM
HD_REF_CF
REC_PB_CLK
REC_PB_H
REC_PB_FRM
REC_PB_CF_1
REC_PB_CF_0
SDTI_IN_CF_0
SDTI_IN_CF_1
CK_18M6M
HCK_37M13M
SYNC_DATA[0-7]
SYNC_CLK
REFCK_37M27M
HD_L
SD_REF
REF_PLL
SYNC_SEP
SLOW_CTRL_DATA_OUT
UPDOWN_CONV
VPROC_MAIN
TBC_DATA_IN
IN_H
IN_FRM
IN_CF_DLY
IN_CF
SDTI_IN_H
SDTI_IN_FRM
TC_FRM
TC_CF
R252
1000/J3
R253
1000/J3
R260
22/J3
IN_SDTI_FRM
HD_PLL_WIND
HD_PLL_REF
SYS_RST_L
HD_74M
HD_SGEN_FRM
C250
PAT/UBV
R254
51/J3
R255
51/J3
SDTI_CLK_P
SDTI_CLK_N
IC250
DS90LV048ATX
R268
22/J3
R256
10K/J3
IN_CLK_P
IN_CLK_N
R257
51/J3
R258
51/J3
C251
PAT/UBV
SDTI_L
R270
10K/J3
IC251
DS90LV048ATX
R272
22/J3
R277
22/J3
R278
22/J3
TG259
PAT/VJR0646
INCOM_L
REC_PB_74M
HD_PLL
R291
22/J3
R292
22/J3
R293
PAT/J3
R294
22/J3
R307
22/J3
R308
22/J3
C271
PAT/18P/UV
R296
1000/J3
R299
1000/J3
C260
0.1/UBV
C261
0.1/UBV
C263
0.1/UBV
IC253
IDTLVC16245F
IC255
IDTLVC16245F
IC256
IDTLVC16245F
IC259
TLCX74FTEL

PAT=PATTERN ONLY
Ref No. 250 Series.

COMPONENT NAME	F4:V PROC (SGEN)	06/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83465B		KR3X34 (6/19)-1
		SCM049


A33_JP2 HD_PLL
VCC
IC400 XC62FP3302PR
IC412 TVHT08FTEL
IC406 DS90LV047ATX
IC405 TLCX125FTEL
IC411 TLCX125FTEL
IC407 TLCX125FTEL
IC408 TLCX125FTEL
JP
VDD
+9A CONNECTOR
L400 22U/LA
C400 16V10/EVV
C403 0.1/UBV
C415 0.1/UBV
R402 4700/RE7
IC404 NJM082BM-T1
C426 0.1/UBV
C430 0.01/UBV
R419 33K/RE7
R420 1000/RE7
R415 33K/RE7
R416 PAT/RE7
C425 0.1/UBV
R412 560/RE7
IC401 DAC10GS-L
R405 4700/RE7
SYS_SC_DATA[0-9] SYS_IF
SD_SYS_SC
C408 0.1/UBV
C420 0.1/UBV
C422 0.1/UBV
-9A CONNECTOR
L401 22U/LA
C401 16V10/EVV
C404 0.1/UBV
-5A CONNECTOR
L402 47U/LA
C402 10V33/EVV
C405 0.1/UBV
UN5.5V
IC402 XC62FP5002PR
C435 0.1/UBV
C436 0.1/UBV
C437 10V33/EVV
D402 MA142K-GTX
NT_VPHASE
R424 27K/RE7
VR401 5K/VR8
R425 15K/RE7
C440 0.1/UBV
IC410 TC7W125FUTL
C442 0.1/UBV
C438 0.1/UBV
IC403 TC7W53FUTL
C439 0.1/UBV
R426 27K/RE7
VR402 5K/VR8
PAL_VPHASE
C441 0.1/UBV
R427 15K/RE7
SGEN PAL_H
SYS_IF VCXO_L
SYS_IF VCO_L
SGEN MCK_REFCK_SD_L
R434 22/J3 DATA_IN REFCK_37M27M
R435 22/J3 UPDOWN_CONV UD_27M
R436 22/J3 SGEN SYS_27M
R428 22/J3 VPROC_MAIN MCK_74M27M
R429 22/J3 UPDOWN_CONV OUTPUT_27M
R430 22/J3 VPROC_MAIN, VPROC_SUB VFIFO_27M
SYS_PLL_REF SGEN
SYS_PLL_WIND SGEN
TP400 EYF6CU
TP402 EYF6CU
IC410 TC7W125FUTL
R400 470/RE7
IC409 NJM084M-T1
C410 0.01/UBV
C413 0.1/UBV
C414 0.1/UBV
R404 47K/RE7
R413 1000/RE7
C423 50V1/EVN
R408 10K/RE7
R410 1M/J3
C418 0.1/UBV
C428 0.1/UBV
D400 MA143-GTX
TP405 EYF6CU
SYS27M
X401 VSX0788
C432 0.1/UBV
C433 0.1/UBV
R418 1000/J3
X400 VSX0906
R421 22/J3
R423 1000/J3
SD_PLL_REF SGEN
SD_PLL_WIND SGEN
TP401 EYF6CU
TP403 EYF6CU
R401 470/RE7
C411 0.01/UBV
R403 10K/RE7
R406 10K/RE7
VR400 5K/VR8
SD_REF_PHASE
R407 8200/RE7
C419 0.1/UBV
R414 1000/RE7
C424 50V1/EVN
R409 10K/RE7
R411 1M/J3
C429 0.1/UBV
D401 MA143-GTX
TP404 EYF6CU
X402 VSX0788
C434 0.1/UBV
REF27M
R437 1000/J3
X403 VSX0906
C443 0.1/UBV
R422 22/J3
R431 22/J3 SGEN REF_27M
R432 22/J3 REF_OUT ENC_CLK
CONNECTOR SD_REF_CLK_N
CONNECTOR SD_REF_CLK_P
CONNECTOR REF_AUD27M_N
CONNECTOR REF_AUD27M_P
TG406 VJR0646
R417 10K/RE7
PAT=PATTERN ONLY
Ref No. 400 Series.

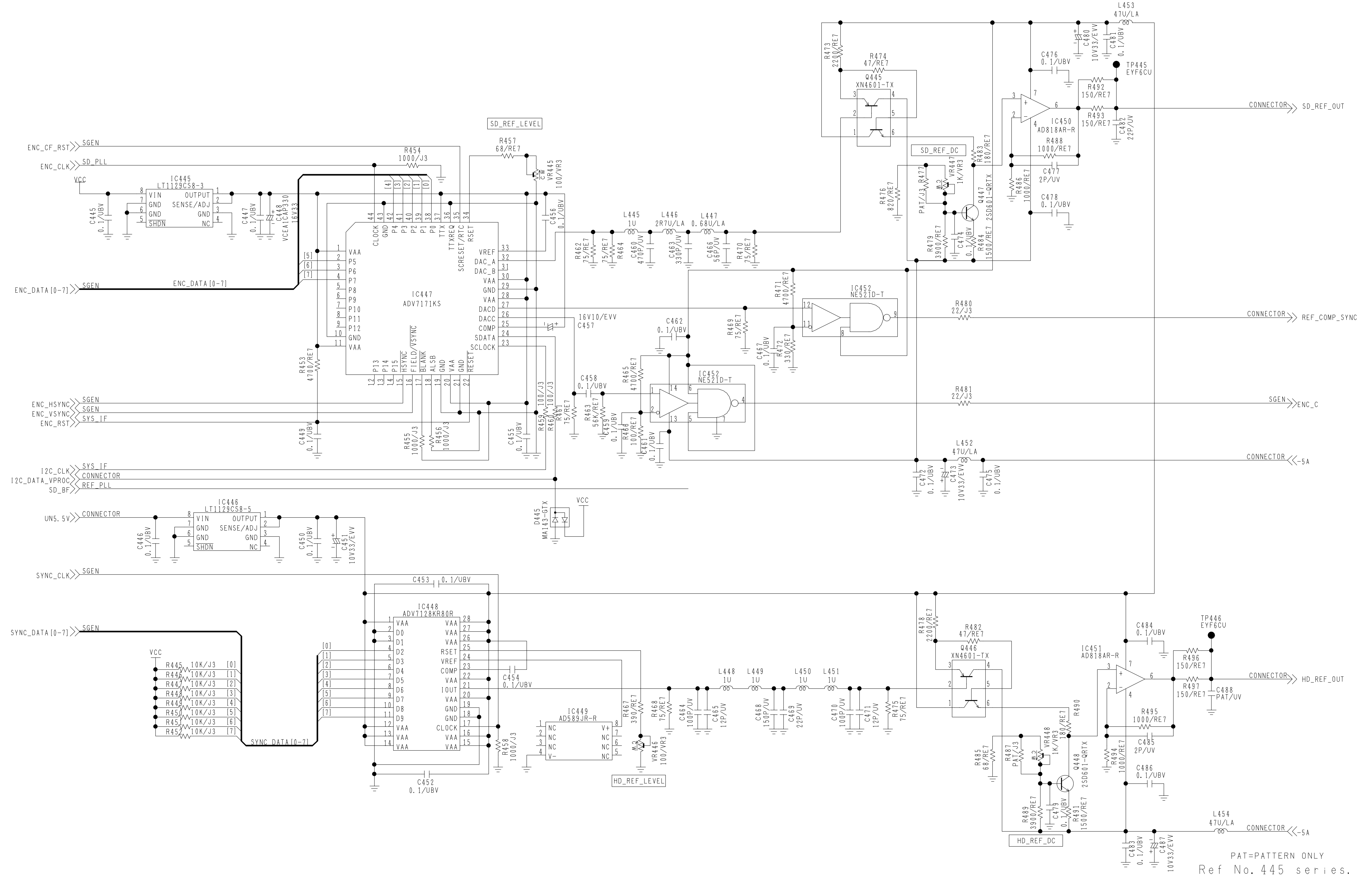
COMPONENT NAME	F4:V PROC (HD_PLL)	07/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (7/19)-1	
	SCM050	


A33_JP2
HD_PLL
VCC
IC400
XC62FP3302PR
IC412
TVHT08FTEL
IC406
DS90LV047ATX
IC405
TLCX125FTEL
IC411
TLCX125FTEL
IC407
TLCX125FTEL
IC408
TLCX125FTEL
JP
VDD
+9A
CONNECTOR
L400
22U/LA
C400
16V10/EVV
C403
0.1/UBV
IC401
DAC10GS-L
SYS_SC_DATA[0-9]
SYS_IF
SD_SYS_SC
R402
4700/RE7
R405
4700/RE7
IC404
NJM082BM-T1
R415
33K/RE7
R419
33K/RE7
R420
1000/RE7
R416
PAT/RE7
R412
560/RE7
C425
0.1/UBV
C430
0.01/UBV
-9A
L401
22U/LA
C401
16V10/EVV
-5A
L402
47U/LA
C402
10V33/EVV
UN5_5V
IC402
XC62FP5002PR
MA142K-GTX
NT_VPHASE
PAL_VPHASE
R424
27K/RE7
R425
15K/RE7
R426
27K/RE7
R427
15K/RE7
VR401
5K/VR8
VR402
5K/VR8
IC403
TC7W53FUTL
IC410
TC7W125FUTL
C439
0.1/UBV
SGEN
PAL_H
VCXO_L
VCO_L
MCK_REFCK_SD_L
R434 22/J3
DATA_IN
REFCK_37M27M
R435 22/J3
UPDOWN_CONV
UD_27M
R436 22/J3
SYS_27M
R428 22/J3
VPROC_MAIN
MCK_74M27M
R429 22/J3
UPDOWN_CONV
OUTPUT_27M
R430 22/J3
VPROC_MAIN,VPROC_SUB
VFIFO_27M
SYS_PLL_REF
SYS_PLL_WIND
TP400
EYF6CU
TP402
EYF6CU
R400
470/RE7
IC409
NJM084M-T1
C413
0.1/UBV
C414
0.1/UBV
R404
47K/RE7
R408
10K/RE7
R410
1M/J3
C423
50V1/EVN
R413
1000/RE7
C428
0.1/UBV
D400
MA143-GTX
TP405
EYF6CU
SYS27M
X401
VSX0788
C432
0.1/UBV
X400
VSX0906
R418
1000/J3
C433
0.1/UBV
R421
22/J3
R423
1000/J3
SD_PLL_REF
SD_PLL_WIND
TP401
EYF6CU
TP403
EYF6CU
R401
470/RE7
R403
10K/RE7
R406
10K/RE7
VR400
5K/VR8
SD_REF_PHASE
R407
8200/RE7
R409
10K/RE7
R411
1M/J3
C424
50V1/EVN
R414
1000/RE7
C429
0.1/UBV
D401
MA143-GTX
TP404
EYF6CU
X402
VSX0788
C434
0.1/UBV
REF27M
R437
1000/J3
X403
VSX0906
C443
0.1/UBV
R422
22/J3
R431 22/J3
REF_27M
R432 22/J3
REF_OUT
ENC_CLK
SD_REF_CLK_N
SD_REF_CLK_P
REF_AUD27M_N
REF_AUD27M_P
TG406
VJR0646
R417
10K/RE7

PAT=PATTERN ONLY

Ref No. 400 Series.

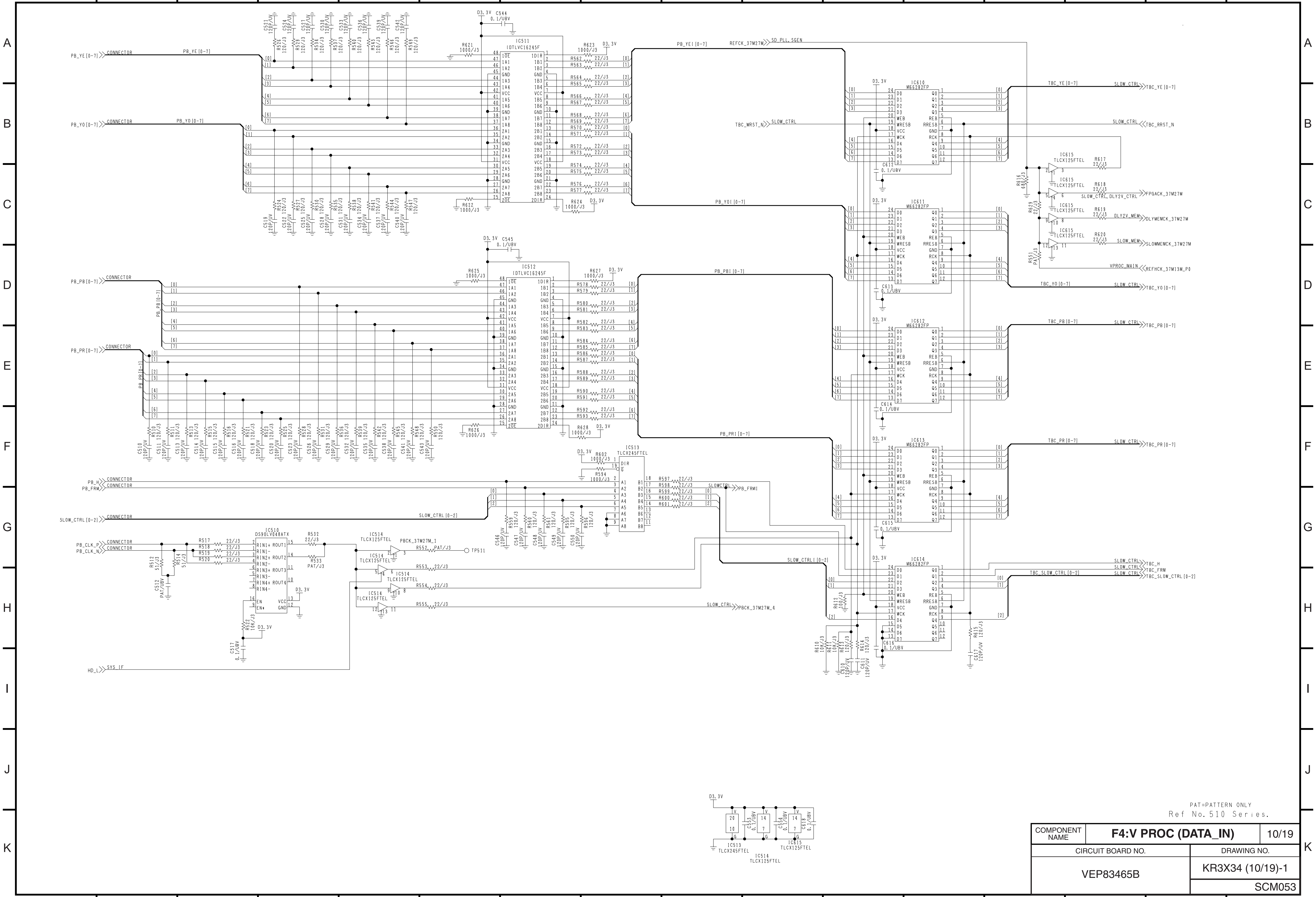
COMPONENT NAME	F4:V PROC (SD_PLL)	08/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (8/19)-1	
	SCM051	


ENC_CF_RST SGEN
ENC_CLK SD_PLL
VCC
IC445 LT1129CS8-3
VIN OUTPUT GND SENSE/ADJ GND GND SHDN NC
C445 0.1/UBV
C447 0.1/UBV
C448 VCEA1CAP330 16V33
ENC_DATA[0-7] SGEN ENC_DATA[0-7]
R454 1000/J3
R457 68/RE7
SD_REF_LEVEL
VR445 100/VR3
C456 0.1/UBV
IC447 ADV7171KS
CLOCK GND P4 P3 P2 P1 P0 TTX TTXREQ SCRESET/RTC RSET
VAA P5 P6 P7 P8 P9 P10 P11 P12 GND VAA
VREF DAC_A DAC_B VAA GND VAA DACD DACC COMP SDATA SCLOCK
P13 P14 P15 HSYNC FIELD/VSYNC BLANK ALSB GND VAA GND RESET
16V10/EVV C457
R453 4700/RE7
C449 0.1/UBV
ENC_HSYNC SGEN
ENC_VSYNC SGEN
ENC_RST SYS_IF
R455 1000/J3
R456 1000/J3
C455 0.1/UBV
R459 100/J3
R460 100/J3
R461 75/RE7
I2C_CLK SYS_IF
I2C_DATA_VPROC CONNECTOR
SD_BF REF_PLL
D445 MA143-GTX
VCC
L445 1U
L446 2R7U/LA
L447 0.68U/LA
R462 75/RE7
R464 75/RE7
C460 470P/UV
C463 330P/UV
C466 56P/UV
R470 75/RE7
C458 0.1/UBV
R463 56K/RE7
C459 0.1/UBV
R465 4700/RE7
R466 100/RE7
C461 0.1/UBV
C462 0.1/UBV
IC452 NE521D-T
R469 75/RE7
C467 0.1/UBV
R472 330/RE7
R471 4700/RE7
R480 22/J3
CONNECTOR REF_COMP_SYNC
R481 22/J3
SGEN ENC_C
R473 2200/RE7
R474 47/RE7
Q445 XN4601-TX
SD_REF_DC
R476 820/RE7
R477 PAT/J3
VR447 1K/VR3
R483 180/RE7
Q447 2SD601-QRTX
R479 3900/RE7
C474 0.1/UBV
R484 1500/RE7
C476 0.1/UBV
C480 10V33/EVV
C481 0.1/UBV
L453 47U/LA
TP445 EYF6CU
IC450 AD818AR-R
R492 150/RE7
R493 150/RE7
C482 22P/UV
R488 1000/RE7
R486 1000/RE7
C477 2P/UV
C478 0.1/UBV
CONNECTOR SD_REF_OUT
L452 47U/LA
C472 0.1/UBV
C473 10V33/EVV
C475 0.1/UBV
CONNECTOR -5A
UN5.5V CONNECTOR
IC446 LT1129CS8-5
C446 0.1/UBV
C450 0.1/UBV
C451 10V33/EVV
SYNC_CLK SGEN
SYNC_DATA[0-7] SGEN
VCC
R445 10K/J3
R446 10K/J3
R447 10K/J3
R448 10K/J3
R449 10K/J3
R450 10K/J3
R451 10K/J3
R452 10K/J3
SYNC_DATA[0-7]
C453 0.1/UBV
IC448 ADV7128KR80R
VAA D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 VAA VAA VAA
VAA VAA VAA RSET VREF COMP VAA IOUT VAA GND GND CLOCK VAA VAA
C454 0.1/UBV
R458 1000/J3
C452 0.1/UBV
IC449 AD589JR-R
NC NC NC V- V+ NC NC NC
R467 390/RE7
VR446 100/VR3
HD_REF_LEVEL
R468 75/RE7
C464 100P/UV
C465 12P/UV
L448 1U
L449 1U
L450 1U
L451 1U
C468 150P/UV
C469 22P/UV
C470 100P/UV
C471 12P/UV
R475 75/RE7
R478 2200/RE7
R482 47/RE7
Q446 XN4601-TX
R485 68/RE7
R487 PAT/J3
VR448 1K/VR3
R490 180/RE7
Q448 2SD601-QRTX
R489 3900/RE7
C479 0.1/UBV
R491 1500/RE7
HD_REF_DC
IC451 AD818AR-R
C484 0.1/UBV
TP446 EYF6CU
R496 150/RE7
R497 150/RE7
C488 PAT/UV
CONNECTOR HD_REF_OUT
R495 1000/RE7
R494 1000/RE7
C485 2P/UV
C486 0.1/UBV
L454 47U/LA
CONNECTOR -5A
C483 0.1/UBV
C487 10V33/EVV

PAT=PATTERN ONLY

Ref No. 445 series.

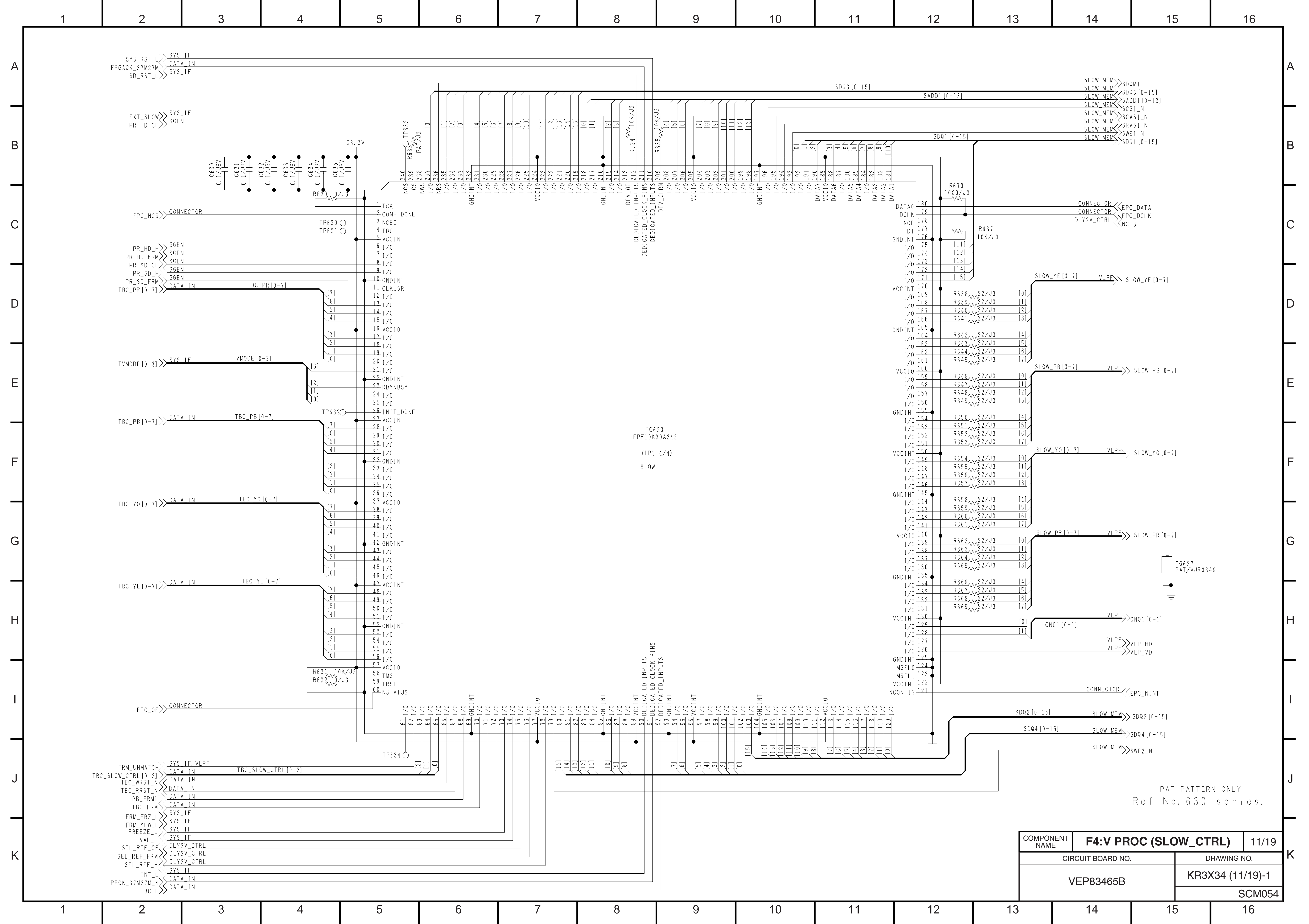
COMPONENT NAME	F4:V PROC (REF_OUT)	09/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83465B		KR3X34 (9/19)-1
		SCM052


PB_YE[0-7] CONNECTOR
PB_YO[0-7] CONNECTOR
PB_PB[0-7] CONNECTOR
PB_PR[0-7] CONNECTOR
PB_H CONNECTOR
PB_FRM CONNECTOR
SLOW_CTRL[0-2] CONNECTOR
PB_CLK_P CONNECTOR
PB_CLK_N CONNECTOR
HD_L SYS_IF
IC511 IDTLVC16245F
IC512 IDTLVC16245F
IC513 TLCX245FTEL
IC510 DS90LV048ATX
IC514 TLCX125FTEL
IC610 M66282FP
IC611 M66282FP
IC612 M66282FP
IC613 M66282FP
IC614 M66282FP
IC615 TLCX125FTEL
PB_YEI[0-7]
PB_YOI[0-7]
PB_PBI[0-7]
PB_PRI[0-7]
REFCK_37M27M SD_PLL, SGEN
TBC_WRST_N SLOW_CTRL
TBC_YE[0-7] SLOW_CTRL TBC_YE[0-7]
SLOW_CTRL TBC_RRST_N
SLOW_CTRL, DLY2V_CTRL FPGACK_37M27M
DLY2V_MEM DLYMEMCK_37M27M
SLOW_MEM SLOWMEMCK_37M27M
VPROC_MAIN REFHCK_37M13M_P0
TBC_YO[0-7] SLOW_CTRL TBC_YO[0-7]
TBC_PB[0-7] SLOW_CTRL TBC_PB[0-7]
TBC_PR[0-7] SLOW_CTRL TBC_PR[0-7]
SLOW_CTRL TBC_H
SLOW_CTRL TBC_FRM
TBC_SLOW_CTRL[0-2] SLOW_CTRL TBC_SLOW_CTRL[0-2]
SLOW_CTRLI[0-2]
SLOWCTRL PB_FRMI
PBCK_37M27M_1
TP511
SLOW_CTRL PBCK_37M27M_4
D3.3V

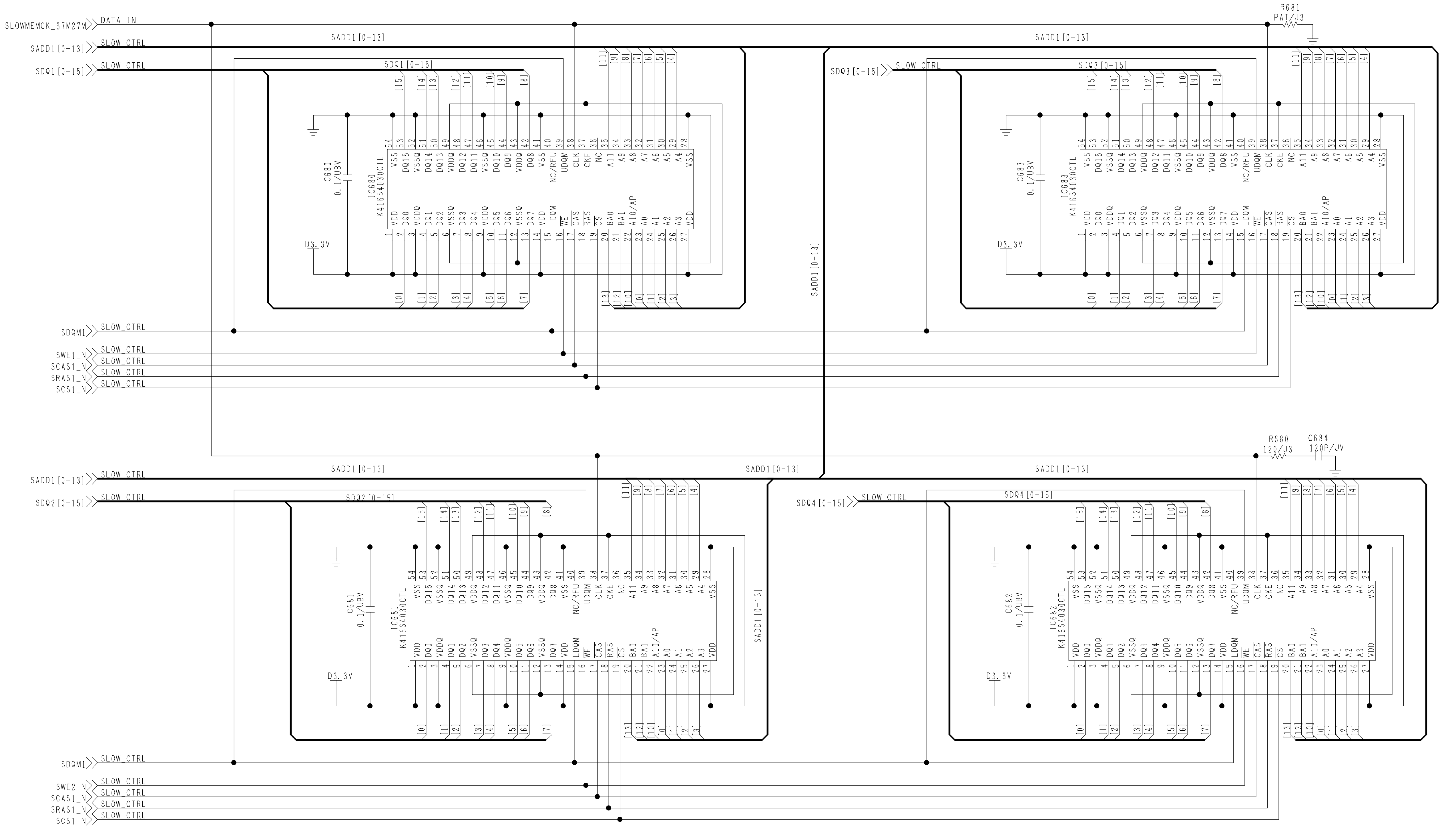
PAT=PATTERN ONLY

Ref No.510 Series.

COMPONENT NAME	F4:V PROC (DATA_IN)	10/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (10/19)-1	
	SCM053	


SYS_RST_L
FPGACK_37M27M
SD_RST_L
SYS_IF
DATA_IN
EXT_SLOW
PR_HD_CF
SGEN
D3.3V
C630 0.1/UBV
C631 0.1/UBV
C632 0.1/UBV
C633 0.1/UBV
C634 0.1/UBV
C635 0.1/UBV
R630 0/J3
TP633
R633 PAT/J3
R634 10K/J3
R635 10K/J3
EPC_NCS
CONNECTOR
TP630
TP631
TP632
TP634
PR_HD_H
PR_HD_FRM
PR_SD_CF
PR_SD_H
PR_SD_FRM
TBC_PR[0-7]
TVMODE[0-3]
TBC_PB[0-7]
TBC_YO[0-7]
TBC_YE[0-7]
R631 10K/J3
R632 0/J3
EPC_OE
TCK
CONF_DONE
NCEO
TDO
VCCINT
GNDINT
CLKUSR
VCCIO
RDYNBSY
INIT_DONE
TMS
TRST
NSTATUS
NCS
CS
NWS
NRS
DEV_OE
DEDICATED_INPUTS
DEDICATED_CLOCK_PINS
DEV_CLRN
DATA0
DCLK
NCE
TDI
NCONFIG
MSEL0
MSEL1
IC630
EPF10K30A243
(IP1-4/4)
SLOW
SDQ3[0-15]
SADD1[0-13]
SDQ1[0-15]
SLOW_MEM
SDQM1
SDQ3[0-15]
SADD1[0-13]
SCS1_N
SCAS1_N
SRAS1_N
SWE1_N
SDQ1[0-15]
R670 1000/J3
R637 10K/J3
CONNECTOR
EPC_DATA
EPC_DCLK
DLY2V_CTRL
NCE3
SLOW_YE[0-7]
VLPF
R638 – R669 22/J3
SLOW_PB[0-7]
SLOW_YO[0-7]
SLOW_PR[0-7]
TG637
PAT/VJR0646
CNO1[0-1]
VLP_HD
VLP_VD
EPC_NINT
SDQ2[0-15]
SDQ4[0-15]
SWE2_N
FRM_UNMATCH
SYS_IF,VLPF
TBC_SLOW_CTRL[0-2]
TBC_WRST_N
TBC_RRST_N
PB_FRM1
TBC_FRM
FRM_FRZ_L
FRM_SLW_L
FREEZE_L
VAL_L
SEL_REF_CF
SEL_REF_FRM
SEL_REF_H
INT_L
PBCK_37M27M_4
TBC_H
DLY2V_CTRL
PAT=PATTERN ONLY
Ref No.630 series.

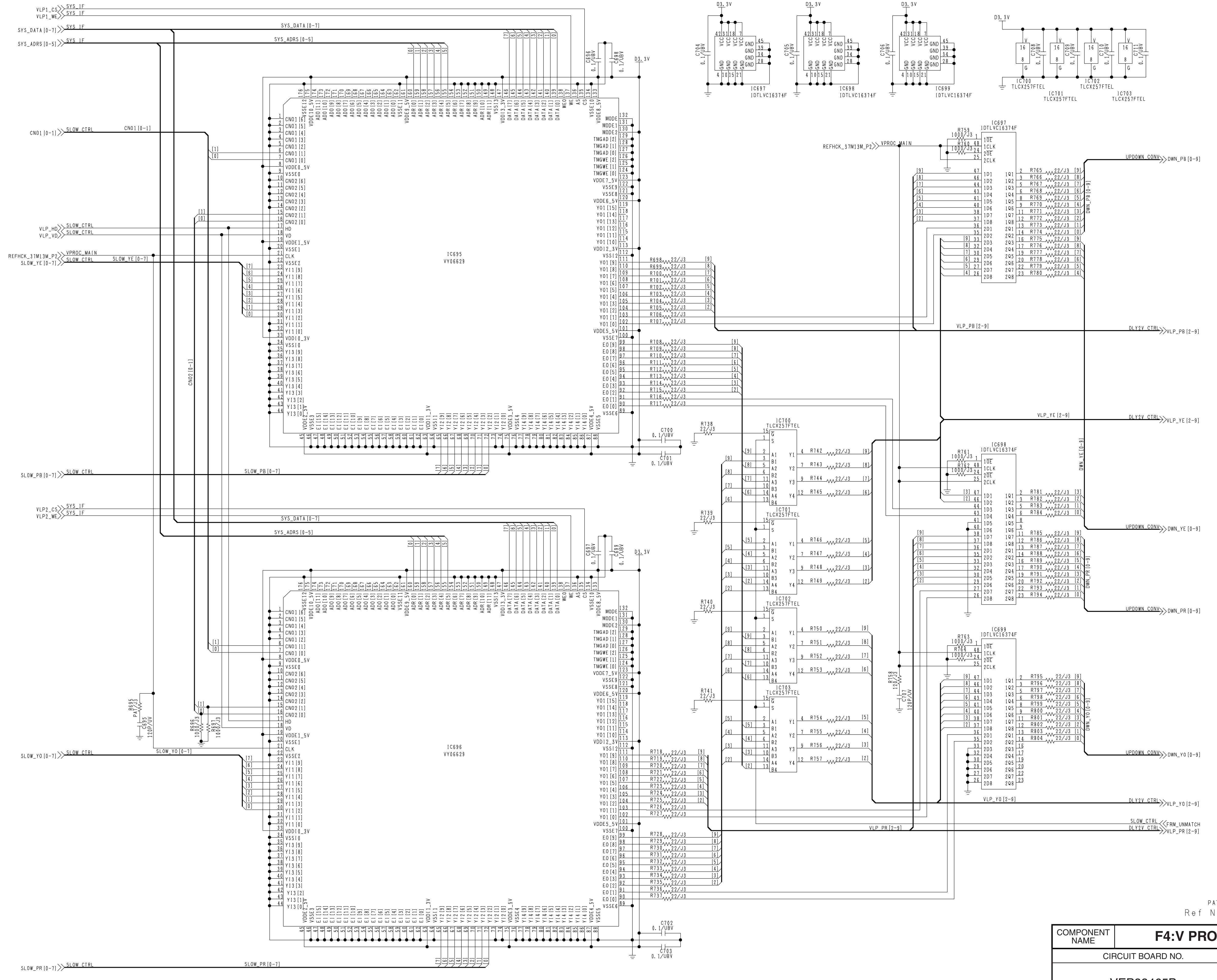
COMPONENT NAME	F4:V PROC (SLOW_CTRL)	11/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (11/19)-1	
	SCM054	


SLOWMEMCK_37M27M
DATA_IN
SADD1[0-13]
SLOW_CTRL
SDQ1[0-15]
R681
PAT/J3
SDQ3[0-15]
C680
0.1/UBV
IC680
K4I6S4030CTL
C683
0.1/UBV
IC683
K4I6S4030CTL
D3.3V
SDQM1
SWE1_N
SCAS1_N
SRAS1_N
SCS1_N
R680
120/J3
C684
120P/UV
SDQ2[0-15]
SDQ4[0-15]
C681
0.1/UBV
IC681
K4I6S4030CTL
C682
0.1/UBV
IC682
K4I6S4030CTL
SWE2_N
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
DQ10
DQ9
DQ8
NC/RFU
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VDD
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
LDQM
WE
CAS
RAS
CS
BA0
BA1
A10/AP
A0
A1
A2
A3

PAT=PATTERN ONLY

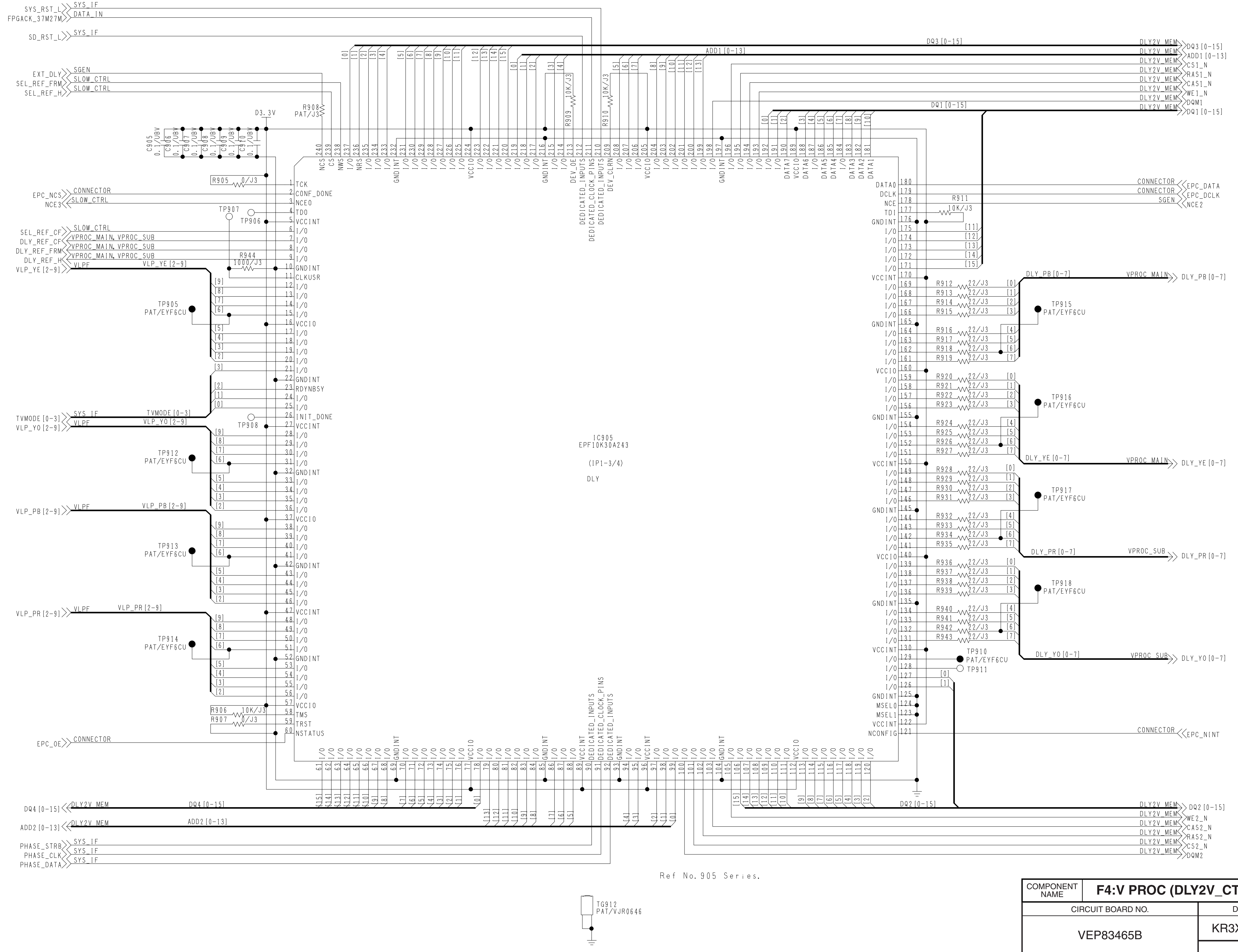
Ref No. 680 series.

COMPONENT NAME	F4:V PROC (SLOW_MEM)	12/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (12/19)-1	
	SCM055	

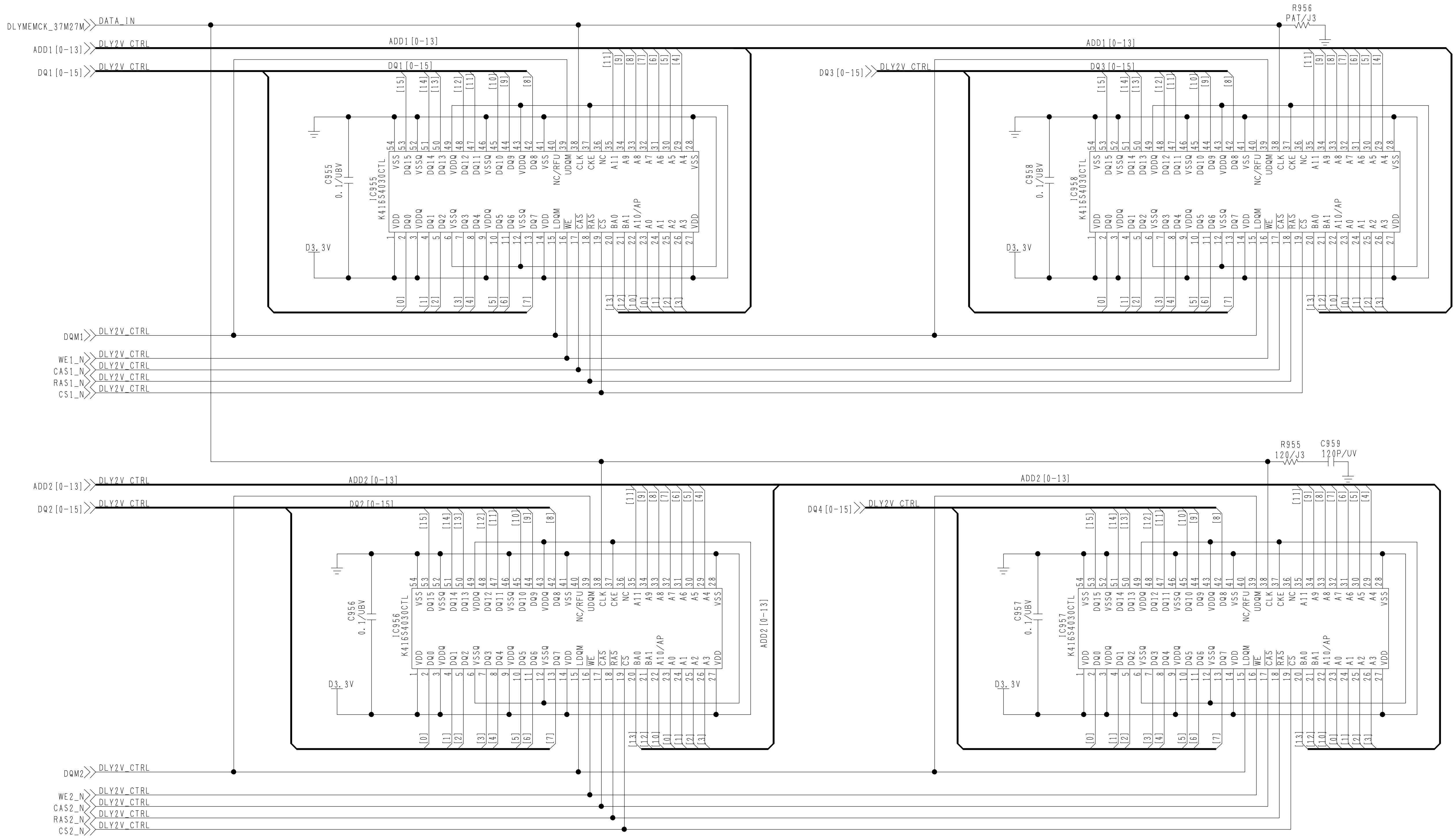

VLP1_CS
VLP1_WE
SYS_DATA[0-7]
SYS_ADRS[0-5]
SYS_IF
CN01[0-1]
SLOW_CTRL
VLP_HD
VLP_VD
REFHCK_37M13M_P2
VPROC_MAIN
SLOW_YE[0-7]
SLOW_PB[0-7]
VLP2_CS
VLP2_WE
SLOW_YO[0-7]
SLOW_PR[0-7]
IC695
VY06629
IC696
VY06629
D3.3V
IC697
IDTLVC16374F
IC698
IDTLVC16374F
IC699
IDTLVC16374F
IC700
IC701
IC702
IC703
TLCX257FTEL
UPDOWN_CONV
DWN_PB[0-9]
DWN_YE[0-9]
DWN_PR[0-9]
DWN_YO[0-9]
DLY2V_CTRL
VLP_PB[2-9]
VLP_YE[2-9]
VLP_YO[2-9]
VLP_PR[2-9]
FRM_UNMATCH
0.1/UBV
22/J3
1000/J3

PAT=PATTERN ONLY
Ref No.695 Series.

COMPONENT NAME	F4:V PROC (VLPF)	13/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83465B		KR3X34 (13/19)-1
		SCM056

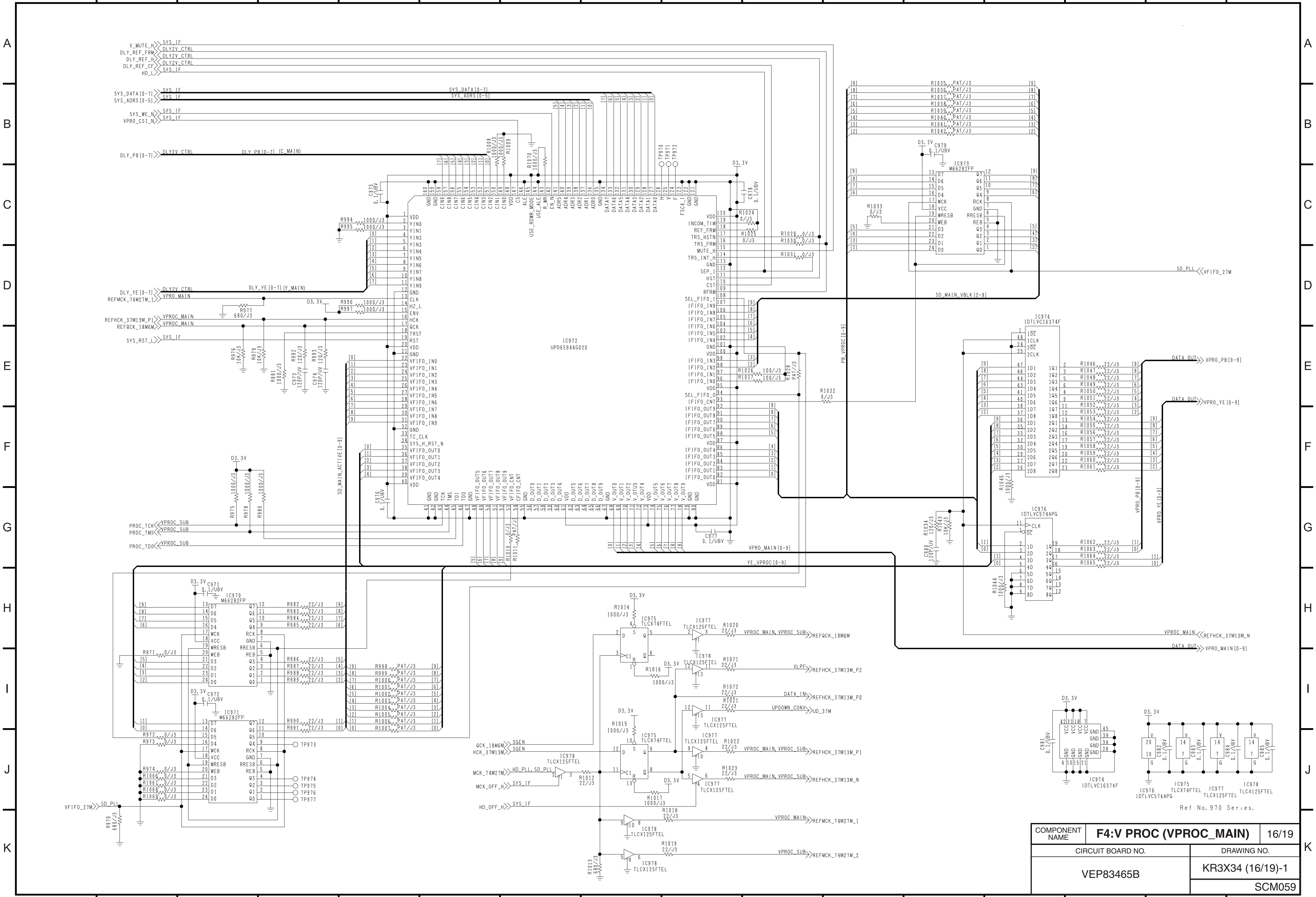

SYS_RST_L SYS_IF
FPGACK_37M27M DATA_IN
SD_RST_L SYS_IF
EXT_DLY SGEN
SEL_REF_FRM SLOW_CTRL
SEL_REF_H SLOW_CTRL
EPC_NCS CONNECTOR
NCE3 SLOW_CTRL
SEL_REF_CF SLOW_CTRL
DLY_REF_CF VPROC_MAIN, VPROC_SUB
DLY_REF_FRM VPROC_MAIN, VPROC_SUB
DLY_REF_H VPROC_MAIN, VPROC_SUB
VLP_YE[2-9] VLPF
TVMODE[0-3] SYS_IF
VLP_YO[2-9] VLPF
VLP_PB[2-9] VLPF
VLP_PR[2-9] VLPF
EPC_OE CONNECTOR
DQ4[0-15] DLY2V_MEM
ADD2[0-13] DLY2V_MEM
PHASE_STRB SYS_IF
PHASE_CLK SYS_IF
PHASE_DATA SYS_IF
D3.3V
C905 0.1/UBV
C906 0.1/UBV
C907 0.1/UBV
C908 0.1/UBV
C909 0.1/UBV
C910 0.1/UBV
R905 0/J3
R906 10K/J3
R907 0/J3
R908 PAT/J3
R909 10K/J3
R910 10K/J3
R911 10K/J3
R944 1000/J3
TP905 PAT/EYF6CU
TP906
TP907
TP908
TP910 PAT/EYF6CU
TP911
TP912 PAT/EYF6CU
TP913 PAT/EYF6CU
TP914 PAT/EYF6CU
TP915 PAT/EYF6CU
TP916 PAT/EYF6CU
TP917 PAT/EYF6CU
TP918 PAT/EYF6CU
R912–R943 22/J3
IC905
EPF10K30A243
(1P1-3/4)
DLY
TCK
CONF_DONE
NCEO
TDO
VCCINT
GNDINT
CLKUSR
VCCIO
RDYNBSY
INIT_DONE
TMS
TRST
NSTATUS
NCS
CS
NWS
NRS
DEV_OE
DEDICATED_INPUTS
DEDICATED_CLOCK_PINS
DEV_CLRN
DATA0
DCLK
NCE
TDI
MSEL0
MSEL1
NCONFIG
DQ3[0-15] DLY2V_MEM
ADD1[0-13] DLY2V_MEM
CS1_N DLY2V_MEM
RAS1_N DLY2V_MEM
CAS1_N DLY2V_MEM
WE1_N DLY2V_MEM
DQM1 DLY2V_MEM
DQ1[0-15] DLY2V_MEM
EPC_DATA CONNECTOR
EPC_DCLK CONNECTOR
NCE2 SGEN
DLY_PB[0-7] VPROC_MAIN
DLY_YE[0-7] VPROC_MAIN
DLY_PR[0-7] VPROC_SUB
DLY_YO[0-7] VPROC_SUB
EPC_NINT CONNECTOR
DQ2[0-15] DLY2V_MEM
WE2_N DLY2V_MEM
CAS2_N DLY2V_MEM
RAS2_N DLY2V_MEM
CS2_N DLY2V_MEM
DQM2 DLY2V_MEM
TG912 PAT/VJR0646
Ref No.905 Series.

COMPONENT NAME	F4:V PROC (DLY2V_CTRL)	14/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (14/19)-1	
	SCM057	

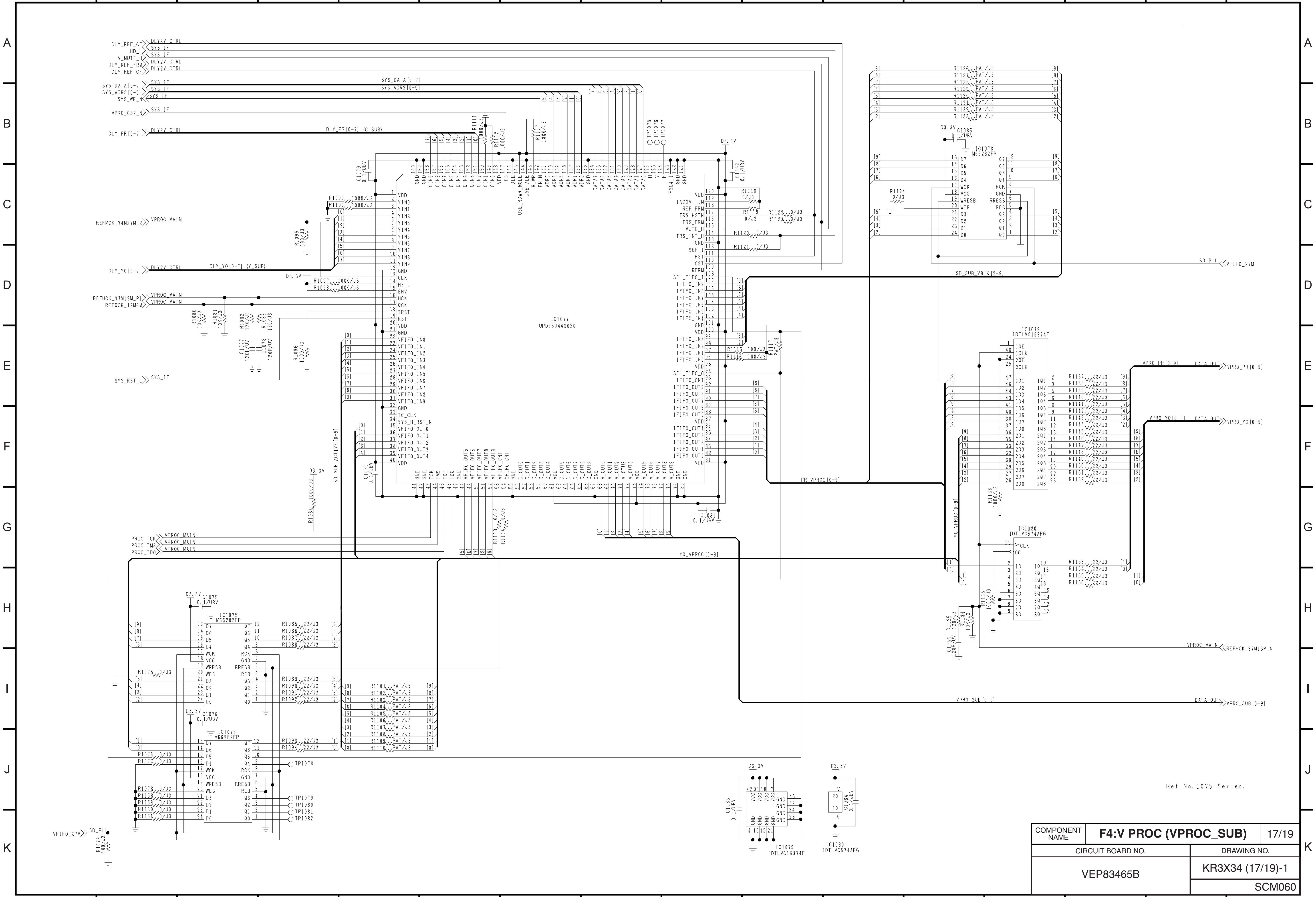

DLYMEMCK_37M27M
DATA_IN
ADD1[0-13]
DQ1[0-15]
DLY2V_CTRL
R956
PAT/J3
DQ3[0-15]
C955
0.1/UBV
IC955
K4165403OCTL
C958
0.1/UBV
IC958
K4165403OCTL
D3.3V
DQM1
WE1_N
CAS1_N
RAS1_N
CS1_N
R955
120/J3
C959
120P/UV
ADD2[0-13]
DQ2[0-15]
DQ4[0-15]
C956
0.1/UBV
IC956
K4165403OCTL
C957
0.1/UBV
IC957
K4165403OCTL
DQM2
WE2_N
CAS2_N
RAS2_N
CS2_N
VSS
DQ15
VSSQ
DQ14
DQ13
VDDQ
DQ12
DQ11
VSSQ
DQ10
DQ9
VDDQ
DQ8
VSS
NC/RFU
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS
VDD
DQ0
VDDQ
DQ1
DQ2
VSSQ
DQ3
DQ4
VDDQ
DQ5
DQ6
VSSQ
DQ7
VDD
LDQM
WE
CAS
RAS
CS
BA0
BA1
A10/AP
A0
A1
A2
A3
VDD

Ref No. 955 Series.

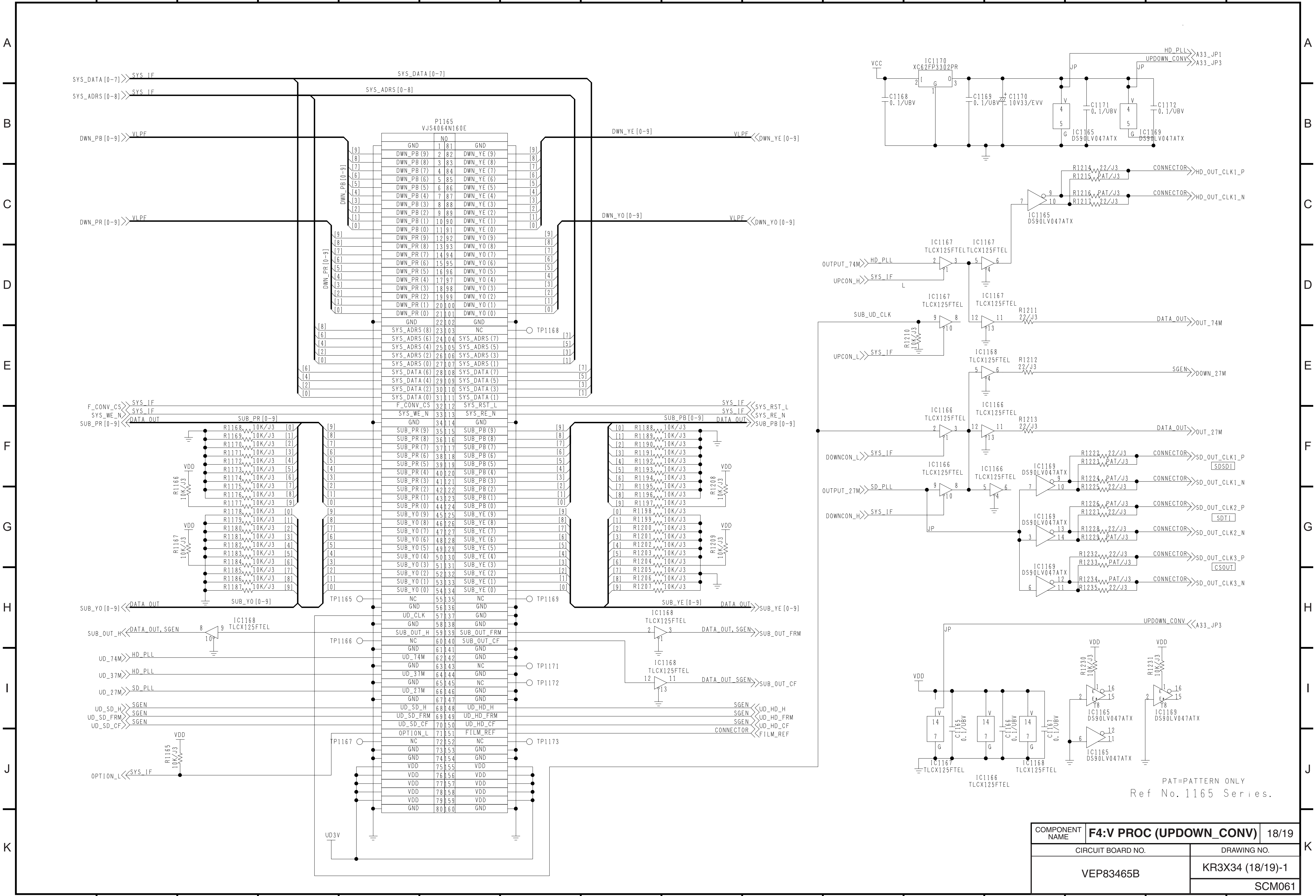
COMPONENT NAME	F4:V PROC (DLY2V_MEM)	15/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (15/19)-1	
	SCM058	


IC972
UPD65944G020
IC970
M66282FP
IC971
M66282FP
IC973
M66282FP
IC974
IDTLVC16374F
IC976
IDTLVC574APG
IC975
TLCX74FTEL
IC977
TLCX125FTEL
IC978
TLCX125FTEL
V_MUTE_H
DLY_REF_FRM
DLY_REF_H
DLY_REF_CF
HD_L
SYS_DATA[0-7]
SYS_ADRS[0-5]
SYS_WE_N
VPRO_CS1_N
DLY_PB[0-7]
DLY_YE[0-7]
REFMCK_74M27M_1
REFHCK_37M13M_P1
REFQCK_18M6M
SYS_RST_L
PROC_TCK
PROC_TMS
PROC_TDO
VFIFO_27M
SD_PLL
SD_MAIN_VBLK[2-9]
SD_MAIN_ACTIVE[0-9]
PB_VPROC[0-9]
VPRO_MAIN[0-9]
YE_VPROC[0-9]
VPRO_PB[0-9]
VPRO_YE[0-9]
REFHCK_37M13M_N
REFQCK_18M6M
REFHCK_37M13M_P2
REFHCK_37M13M_P0
UD_37M
REFHCK_37M13M_P1
REFMCK_74M27M_1
REFMCK_74M27M_2
QCK_18M6M
HCK_37M13M
MCK_74M27M
MCK_OFF_H
HD_OFF_H
D3.3V
TP970
TP971
TP972
TP973
TP974
TP975
TP976
TP977
Ref No.970 Series.

COMPONENT NAME	F4:V PROC (VPROC_MAIN)	16/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (16/19)-1	
	SCM059	


IC1077
UPD65944G020
IC1078
M66282FP
IC1079
IDTLVC16374F
IC1080
IDTLVC574APG
IC1075
M66282FP
IC1076
M66282FP
DLY_REF_CF
HD_L
V_MUTE_H
DLY_REF_FRM
SYS_DATA[0-7]
SYS_ADRS[0-5]
SYS_WE_N
VPRO_CS2_N
DLY_PR[0-7]
DLY_PR[0-7] (C_SUB)
DLY_Y0[0-7]
DLY_Y0[0-7] (Y_SUB)
REFMCK_74M27M_2
REFHCK_37M13M_P1
REFQCK_18M6M
SYS_RST_L
SYS_IF
DLY2V_CTRL
VPROC_MAIN
PROC_TCK
PROC_TMS
PROC_TDO
SD_SUB_ACTIVE[0-9]
SD_SUB_VBLK[2-9]
PR_VPROC[0-9]
Y0_VPROC[0-9]
SD_PLL
VFIFO_27M
VPRO_PR[0-9]
VPRO_Y0[0-9]
VPRO_SUB[0-9]
DATA_OUT
REFHCK_37M13M_N
D3.3V
TP1075
TP1076
TP1077
TP1078
TP1079
TP1080
TP1081
TP1082
Ref No.1075 Series.

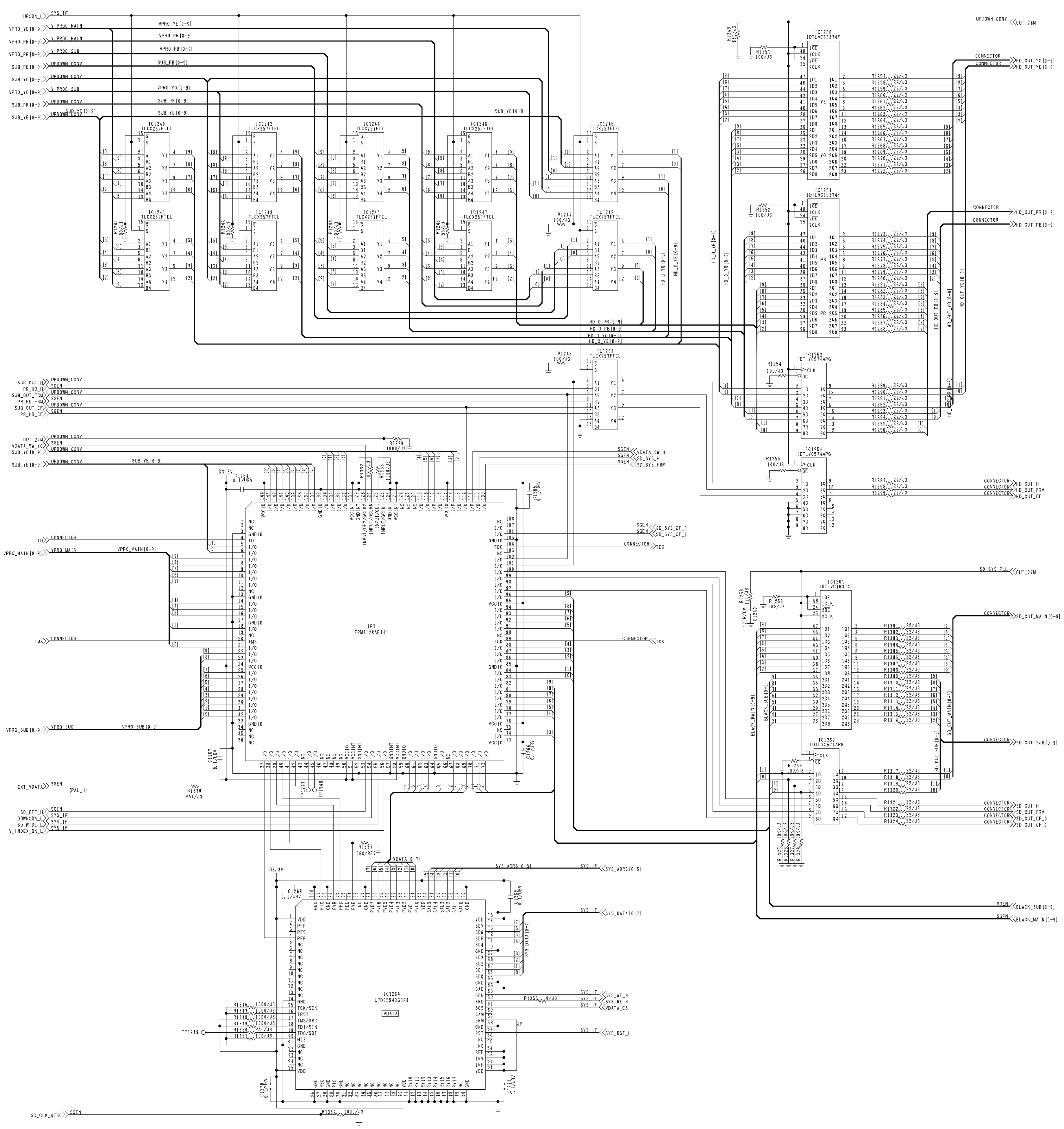
COMPONENT NAME	F4:V PROC (VPROC_SUB)	17/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (17/19)-1	
	SCM060	

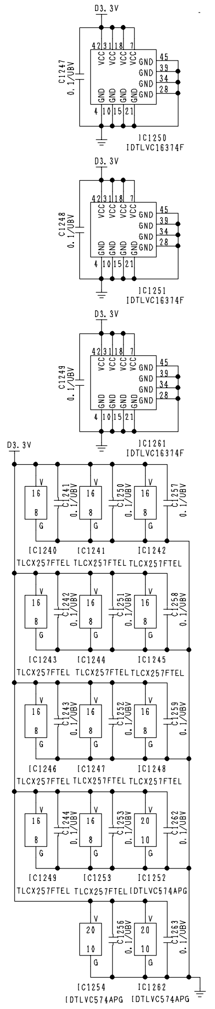

P1165
VJS4064N160E
SYS_DATA[0-7]
SYS_ADRS[0-8]
DWN_PB[0-9]
DWN_PR[0-9]
DWN_YE[0-9]
DWN_YO[0-9]
VLPF
SYS_IF
F_CONV_CS
SYS_WE_N
SUB_PR[0-9]
SUB_PB[0-9]
SUB_YO[0-9]
SUB_YE[0-9]
DATA_OUT
SYS_RST_L
SYS_RE_N
SUB_OUT_H
SUB_OUT_FRM
SUB_OUT_CF
DATA_OUT, SGEN
UD_74M
UD_37M
UD_27M
HD_PLL
SD_PLL
UD_SD_H
UD_SD_FRM
UD_SD_CF
UD_HD_H
UD_HD_FRM
UD_HD_CF
FILM_REF
OPTION_L
SGEN
CONNECTOR
UD3V
VDD
TP1165
TP1166
TP1167
TP1168
TP1169
TP1171
TP1172
TP1173
R1165 10K/J3
R1166 10K/J3
R1167 10K/J3
R1168–R1187 10K/J3
R1188–R1207 10K/J3
R1208 10K/J3
R1209 10K/J3
IC1168 TLCX125FTEL
IC1170 XC62FP3302PR
C1168 0.1/UBV
C1169 0.1/UBV
C1170 10V33/EVV
C1171 0.1/UBV
C1172 0.1/UBV
IC1165 DS90LV047ATX
IC1169 DS90LV047ATX
HD_PLL
UPDOWN_CONV
A33_JP1
A33_JP3
JP
VCC
R1214 22/J3
R1215 PAT/J3
R1216 PAT/J3
R1217 22/J3
HD_OUT_CLK1_P
HD_OUT_CLK1_N
IC1167 TLCX125FTEL
OUTPUT_74M
UPCON_H
UPCON_L
SUB_UD_CLK
R1210 10K/J3
R1211 22/J3
OUT_74M
R1212 22/J3
DOWN_27M
IC1166 TLCX125FTEL
R1213 22/J3
OUT_27M
DOWNCON_L
DOWNCON_H
OUTPUT_27M
SD_PLL
R1222–R1235
SD_OUT_CLK1_P
SD_OUT_CLK1_N
SD_OUT_CLK2_P
SD_OUT_CLK2_N
SD_OUT_CLK3_P
SD_OUT_CLK3_N
SDSDI
SDTI
CSOUT
R1230 10K/J3
R1231 10K/J3
C1165 0.1/UBV
C1166 0.1/UBV
C1167 0.1/UBV

PAT=PATTERN ONLY

Ref No.1165 Series.

COMPONENT NAME	F4:V PROC (UPDOWN_CONV)	18/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83465B		KR3X34 (18/19)-1
		SCM061

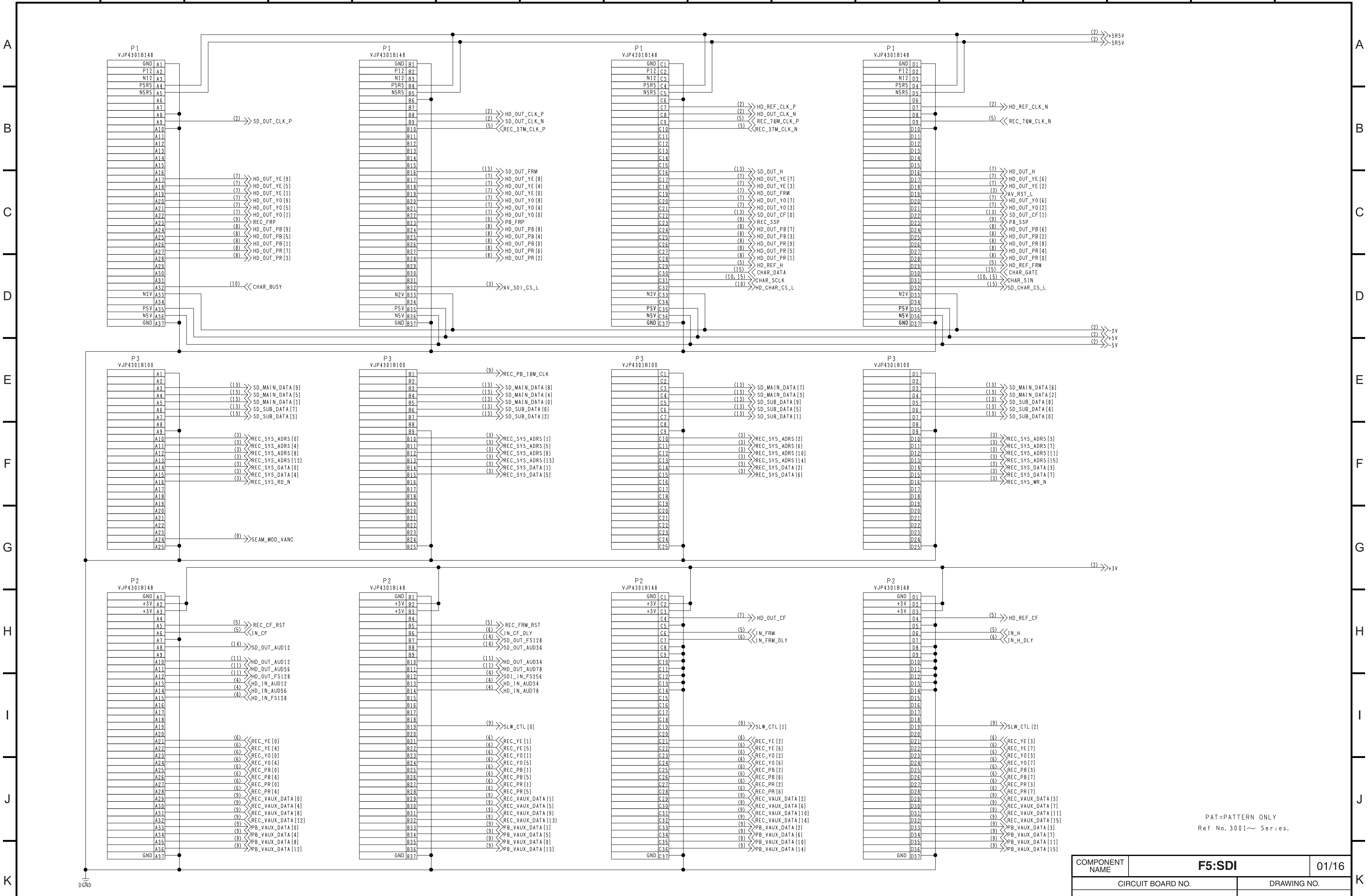

IC1240 TLCX257FTEL
IC1241 TLCX257FTEL
IC1242 TLCX257FTEL
IC1243 TLCX257FTEL
IC1244 TLCX257FTEL
IC1245 TLCX257FTEL
IC1246 TLCX257FTEL
IC1247 TLCX257FTEL
IC1248 TLCX257FTEL
IC1249 TLCX257FTEL
IC1253 TLCX257FTEL
IC1250 IDTLVC16374F
IC1251 IDTLVC16374F
IC1261 IDTLVC16374F
IC1252 IDTLVC574APG
IC1254 IDTLVC574APG
IC1262 IDTLVC574APG
IP7 EPM7128AE141
IC1264 UPD65943GD28
VPRO_YE[0-9]
VPRO_PR[0-9]
VPRO_PB[0-9]
SUB_PB[0-9]
SUB_Y0[0-9]
VPRO_Y0[0-9]
SUB_PR[0-9]
SUB_YE[0-9]
HD_OUT_Y0[0-9]
HD_OUT_YE[0-9]
HD_OUT_PR[0-9]
HD_OUT_PB[0-9]
HD_OUT_H
HD_OUT_FRM
HD_OUT_CF
SD_OUT_MAIN[0-9]
SD_OUT_SUB[0-9]
SD_OUT_H
SD_OUT_FRM
SD_OUT_CF_0
SD_OUT_CF_1
BLACK_SUB[0-9]
BLACK_MAIN[0-9]
SYS_ADRS[0-5]
SYS_DATA[0-7]
SYS_WE_N
SYS_RE_N
VDATA_CS
SYS_RST_L
SD_CLK_4FSC
TDI
TDO
TMS
TCK
UPDOWN_CONV
SGEN
CONNECTOR
SYS_IF
D3.3V


D3.3V
IC1250 IDTLVC16374F
IC1251 IDTLVC16374F
IC1261 IDTLVC16374F
IC1240 TLCX257FTEL
IC1241 TLCX257FTEL
IC1242 TLCX257FTEL
IC1243 TLCX257FTEL
IC1244 TLCX257FTEL
IC1245 TLCX257FTEL
IC1246 TLCX257FTEL
IC1247 TLCX257FTEL
IC1248 TLCX257FTEL
IC1249 TLCX257FTEL
IC1253 TLCX257FTEL
IC1252 IDTLVC574APG
IC1254 IDTLVC574APG
IC1262 IDTLVC574APG

	AJ-HD150-T,P	AJ-HD150MC
REF	VJP83465A	VJP83465B
IP1	VSI3382	VSI3704
R128	ERJ3RED224V	ERJ3RED394V
R174	ERJ3RBD222V	ERJ3RBD103V
R426	ERJ3RBD393V	ERJ3RBD273V
R1120	ERJ3GEYJ102V	ERJ3GEY0R00V
R1121	ERJ3GEYJ102V	ERJ3GEY0R00V
R1122	ERJ3GEYJ102V	ERJ3GEY0R00V
R1123	ERJ3GEYJ102V	ERJ3GEY0R00V
C159	ECUV1H221JCV	ECUV1H471JCV
X190	VSX0688	PAT
X365	VSX0981	PAT
X400	VSX0906	PAT
X403	VSX0906	PAT
TP272	EYF6CU	PAT
TP277	EYF6CU	PAT
TP282	EYF6CU	PAT
TP285	EYF6CU	PAT
TP288	EYF6CU	PAT
TP289	EYF6CU	PAT
TP293	EYF6CU	PAT
TP294	EYF6CU	PAT
TG912	VJR0646	PAT

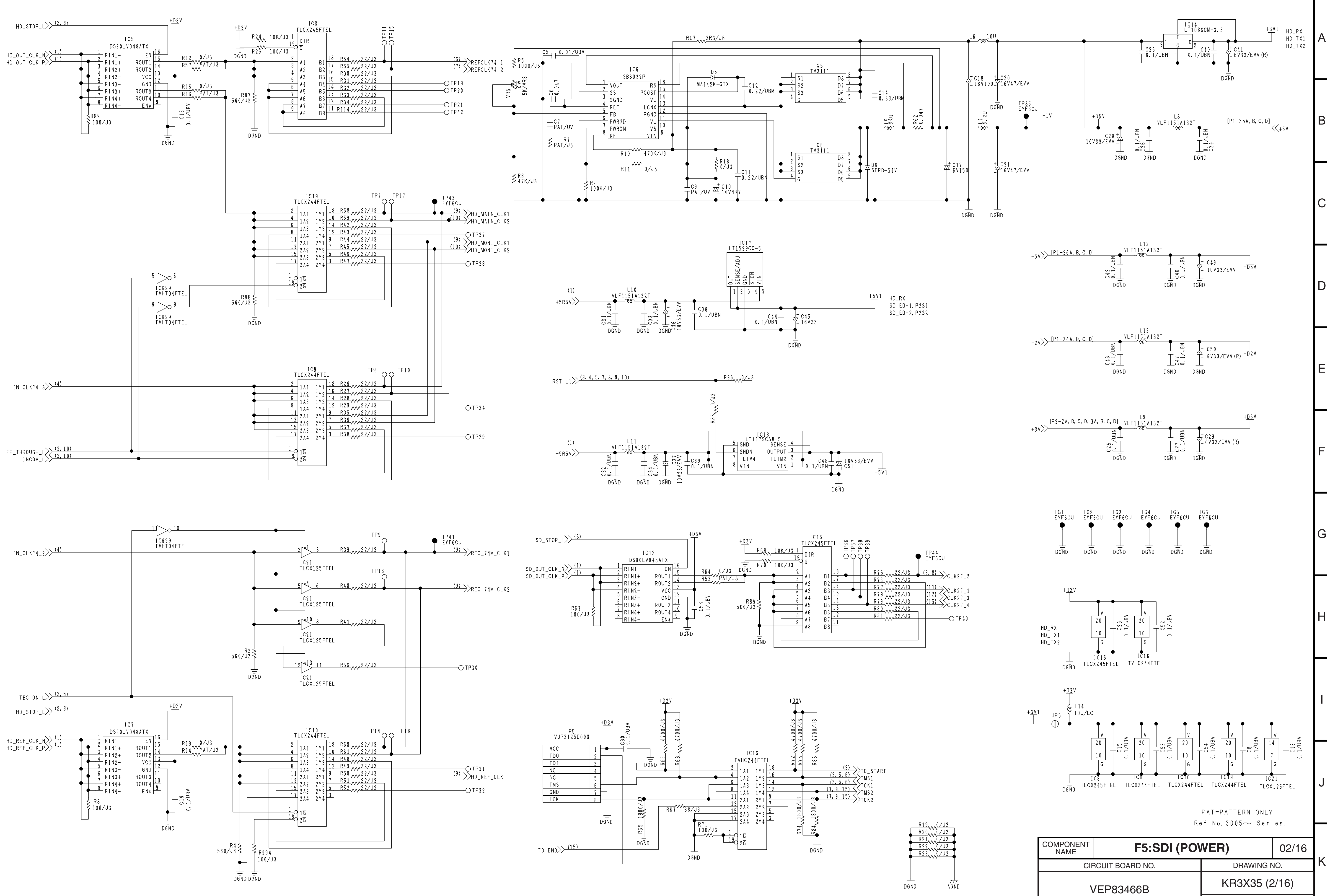
PAT=PATTERN ONLY
Ref No.1240 Series.

COMPONENT NAME	F4:V PROC (DATA_OUT)	19/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83465B	KR3X34 (19/19)-1	
	SCM062	


P1
VJP4301B148
GND
P12
N12
P5R5
N5R5
N2V
P5V
N5V
(2) SD_OUT_CLK_P
(7) HD_OUT_YE[9]
(7) HD_OUT_YE[5]
(7) HD_OUT_YE[1]
(7) HD_OUT_YO[9]
(7) HD_OUT_YO[5]
(7) HD_OUT_YO[1]
(9) REC_FRP
(8) HD_OUT_PB[9]
(8) HD_OUT_PB[5]
(8) HD_OUT_PB[1]
(8) HD_OUT_PR[7]
(8) HD_OUT_PR[3]
(10) CHAR_BUSY
(2) HD_OUT_CLK_P
(2) SD_OUT_CLK_N
(5) REC_37M_CLK_P
(13) SD_OUT_FRM
(7) HD_OUT_YE[8]
(7) HD_OUT_YE[4]
(7) HD_OUT_YE[0]
(7) HD_OUT_YO[8]
(7) HD_OUT_YO[4]
(7) HD_OUT_YO[0]
(9) PB_FRP
(8) HD_OUT_PB[8]
(8) HD_OUT_PB[4]
(8) HD_OUT_PB[0]
(8) HD_OUT_PR[6]
(8) HD_OUT_PR[2]
(3) AV_SDI_CS_L
(2) HD_REF_CLK_P
(2) HD_OUT_CLK_N
(5) REC_74M_CLK_P
(5) REC_37M_CLK_N
(13) SD_OUT_H
(7) HD_OUT_YE[7]
(7) HD_OUT_YE[3]
(7) HD_OUT_FRM
(7) HD_OUT_YO[7]
(7) HD_OUT_YO[3]
(13) SD_OUT_CF[0]
(9) REC_SSP
(8) HD_OUT_PB[7]
(8) HD_OUT_PB[3]
(8) HD_OUT_PR[9]
(8) HD_OUT_PR[5]
(8) HD_OUT_PR[1]
(5) HD_REF_H
(15) CHAR_DATA
(10,15) CHAR_SCLK
(10) HD_CHAR_CS_L
(2) HD_REF_CLK_N
(5) REC_74M_CLK_N
(7) HD_OUT_H
(7) HD_OUT_YE[6]
(7) HD_OUT_YE[2]
(3) AV_RST_L
(7) HD_OUT_YO[6]
(7) HD_OUT_YO[2]
(13) SD_OUT_CF[1]
(9) PB_SSP
(8) HD_OUT_PB[6]
(8) HD_OUT_PB[2]
(8) HD_OUT_PR[8]
(8) HD_OUT_PR[4]
(8) HD_OUT_PR[0]
(5) HD_REF_FRM
(15) CHAR_GATE
(10,15) CHAR_SIN
(15) SD_CHAR_CS_L
(2) +5R5V
(2) -5R5V
(2) -2V
(2) +5V
(2) -5V
P3
VJP4301B100
(13) SD_MAIN_DATA[9]
(13) SD_MAIN_DATA[5]
(13) SD_MAIN_DATA[1]
(13) SD_SUB_DATA[7]
(13) SD_SUB_DATA[3]
(3) REC_SYS_ADRS[0]
(3) REC_SYS_ADRS[4]
(3) REC_SYS_ADRS[8]
(3) REC_SYS_ADRS[12]
(3) REC_SYS_DATA[0]
(3) REC_SYS_DATA[4]
(3) REC_SYS_RD_N
(9) SEAM_MOD_VANC
(9) REC_PB_18M_CLK
(13) SD_MAIN_DATA[8]
(13) SD_MAIN_DATA[4]
(13) SD_MAIN_DATA[0]
(13) SD_SUB_DATA[6]
(13) SD_SUB_DATA[2]
(3) REC_SYS_ADRS[1]
(3) REC_SYS_ADRS[5]
(3) REC_SYS_ADRS[9]
(3) REC_SYS_ADRS[13]
(3) REC_SYS_DATA[1]
(3) REC_SYS_DATA[5]
(13) SD_MAIN_DATA[7]
(13) SD_MAIN_DATA[3]
(13) SD_SUB_DATA[9]
(13) SD_SUB_DATA[5]
(13) SD_SUB_DATA[1]
(3) REC_SYS_ADRS[2]
(3) REC_SYS_ADRS[6]
(3) REC_SYS_ADRS[10]
(3) REC_SYS_ADRS[14]
(3) REC_SYS_DATA[2]
(3) REC_SYS_DATA[6]
(13) SD_MAIN_DATA[6]
(13) SD_MAIN_DATA[2]
(13) SD_SUB_DATA[8]
(13) SD_SUB_DATA[4]
(13) SD_SUB_DATA[0]
(3) REC_SYS_ADRS[3]
(3) REC_SYS_ADRS[7]
(3) REC_SYS_ADRS[11]
(3) REC_SYS_ADRS[15]
(3) REC_SYS_DATA[3]
(3) REC_SYS_DATA[7]
(3) REC_SYS_WR_N
(2) +3V
P2
VJP4301B148
+3V
(5) REC_CF_RST
(5) IN_CF
(14) SD_OUT_AUD12
(11) HD_OUT_AUD12
(11) HD_OUT_AUD56
(11) HD_OUT_FS128
(4) HD_IN_AUD12
(4) HD_IN_AUD56
(4) HD_IN_FS128
(6) REC_YE[0]
(6) REC_YE[4]
(6) REC_YO[0]
(6) REC_YO[4]
(6) REC_PB[0]
(6) REC_PB[4]
(6) REC_PR[0]
(6) REC_PR[4]
(9) REC_VAUX_DATA[0]
(9) REC_VAUX_DATA[4]
(9) REC_VAUX_DATA[8]
(9) REC_VAUX_DATA[12]
(9) PB_VAUX_DATA[0]
(9) PB_VAUX_DATA[4]
(9) PB_VAUX_DATA[8]
(9) PB_VAUX_DATA[12]
(5) REC_FRM_RST
(6) IN_CF_DLY
(14) SD_OUT_FS128
(14) SD_OUT_AUD34
(11) HD_OUT_AUD34
(11) HD_OUT_AUD78
(4) SDI_IN_FS256
(4) HD_IN_AUD34
(4) HD_IN_AUD78
(9) SLW_CTL[0]
(6) REC_YE[1]
(6) REC_YE[5]
(6) REC_YO[1]
(6) REC_YO[5]
(6) REC_PB[1]
(6) REC_PB[5]
(6) REC_PR[1]
(6) REC_PR[5]
(9) REC_VAUX_DATA[1]
(9) REC_VAUX_DATA[5]
(9) REC_VAUX_DATA[9]
(9) REC_VAUX_DATA[13]
(9) PB_VAUX_DATA[1]
(9) PB_VAUX_DATA[5]
(9) PB_VAUX_DATA[9]
(9) PB_VAUX_DATA[13]
(7) HD_OUT_CF
(5) IN_FRM
(6) IN_FRM_DLY
(9) SLW_CTL[1]
(6) REC_YE[2]
(6) REC_YE[6]
(6) REC_YO[2]
(6) REC_YO[6]
(6) REC_PB[2]
(6) REC_PB[6]
(6) REC_PR[2]
(6) REC_PR[6]
(9) REC_VAUX_DATA[2]
(9) REC_VAUX_DATA[6]
(9) REC_VAUX_DATA[10]
(9) REC_VAUX_DATA[14]
(9) PB_VAUX_DATA[2]
(9) PB_VAUX_DATA[6]
(9) PB_VAUX_DATA[10]
(9) PB_VAUX_DATA[14]
(5) HD_REF_CF
(5) IN_H
(6) IN_H_DLY
(9) SLW_CTL[2]
(6) REC_YE[3]
(6) REC_YE[7]
(6) REC_YO[3]
(6) REC_YO[7]
(6) REC_PB[3]
(6) REC_PB[7]
(6) REC_PR[3]
(6) REC_PR[7]
(9) REC_VAUX_DATA[3]
(9) REC_VAUX_DATA[7]
(9) REC_VAUX_DATA[11]
(9) REC_VAUX_DATA[15]
(9) PB_VAUX_DATA[3]
(9) PB_VAUX_DATA[7]
(9) PB_VAUX_DATA[11]
(9) PB_VAUX_DATA[15]
DGND

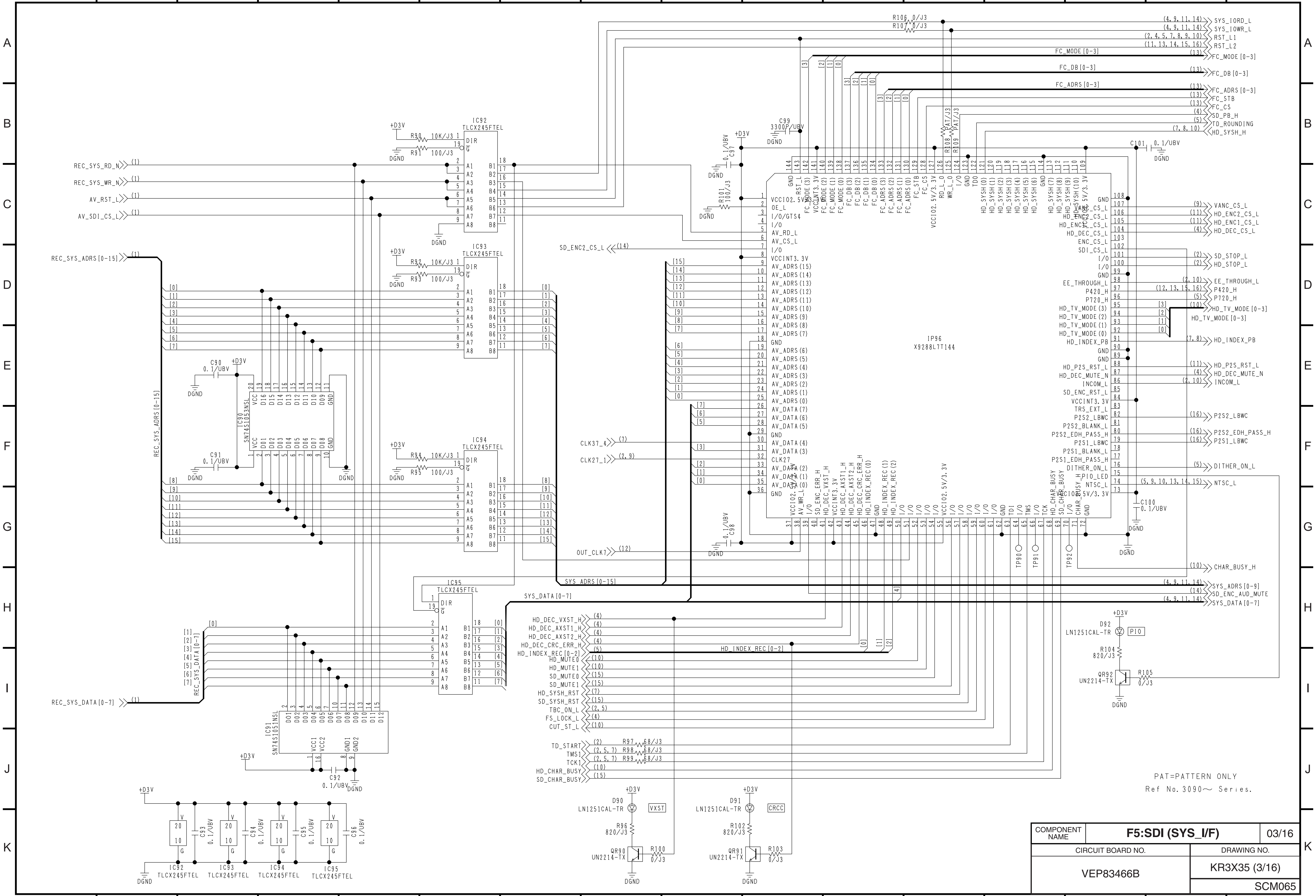
PAT=PATTERN ONLY
Ref No.3001～ Series.

COMPONENT NAME	F5:SDI	01/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (1/16)	
	SCM063	


HD_STOP_L
HD_OUT_CLK_N
HD_OUT_CLK_P
IC5 DS90LV048ATX
IC8 TLCX245FTEL
TP11 TP15
REFCLK74_1
REFCLK74_2
TP19 TP20 TP21 TP42
IC19 TLCX244FTEL
TP7 TP17
TP43 EYF6CU
HD_MAIN_CLK1
HD_MAIN_CLK2
TP27
HD_MONI_CLK1
HD_MONI_CLK2
TP28
IC699 TVHT04FTEL
IN_CLK74_3
IC9 TLCX244FTEL
TP8 TP10
TP34
TP29
EE_THROUGH_L
INCOM_L
IN_CLK74_2
IC21 TLCX125FTEL
TP9
TP41 EYF6CU
REC_74M_CLK1
TP13
REC_74M_CLK2
TP30
TBC_ON_L
HD_REF_CLK_N
HD_REF_CLK_P
IC7 DS90LV048ATX
IC10 TLCX244FTEL
TP14 TP18
TP31
HD_REF_CLK
TP32
IC6 SB3032P
D5 MA142K-GTX
Q5 TM3111
Q6 TM3111
D6 SFPB-54V
L6 10U
L5 22U
L7 2.2U
TP35 EYF6CU
+1V
IC14 LT1086CM-3.3
+3V1
HD_RX
HD_TX1
HD_TX2
+D5V
L8 VLF1151A132T
[P1-35A, B, C, D]
+5V
IC17 LT1529CQ-5
L10 VLF1151A132T
+5R5V
+5V1
SD_EDH1, P2S1
SD_EDH2, P2S2
RST_L1
IC18 LT1175CS8-5
L11 VLF1151A132T
-5R5V
-5V1
-5V
[P1-36A, B, C, D]
L12 VLF1151A132T
-D5V
-2V
[P1-34A, B, C, D]
L13 VLF1151A132T
-D2V
+3V
[P2-2A, B, C, D, 3A, B, C, D]
L9 VLF1151A132T
+D3V
TG1 TG2 TG3 TG4 TG5 TG6 EYF6CU
SD_STOP_L
SD_OUT_CLK_N
SD_OUT_CLK_P
IC12 DS90LV048ATX
IC15 TLCX245FTEL
TP36 TP37 TP38 TP39
TP44 EYF6CU
CLK27_2
CLK27_1
CLK27_3
CLK27_4
TP40
IC15 TLCX245FTEL
IC16 TVHC244FTEL
P5 VJP3125D008
VCC TDO TDI NC NC TMS GND TCK
IC16 TVHC244FTEL
TD_START
TMS1
TCK1
TMS2
TCK2
TD_END
JP5
L14 10U/LC
IC8 TLCX245FTEL
IC9 TLCX244FTEL
IC10 TLCX244FTEL
IC19 TLCX244FTEL
IC21 TLCX125FTEL
DGND
AGND

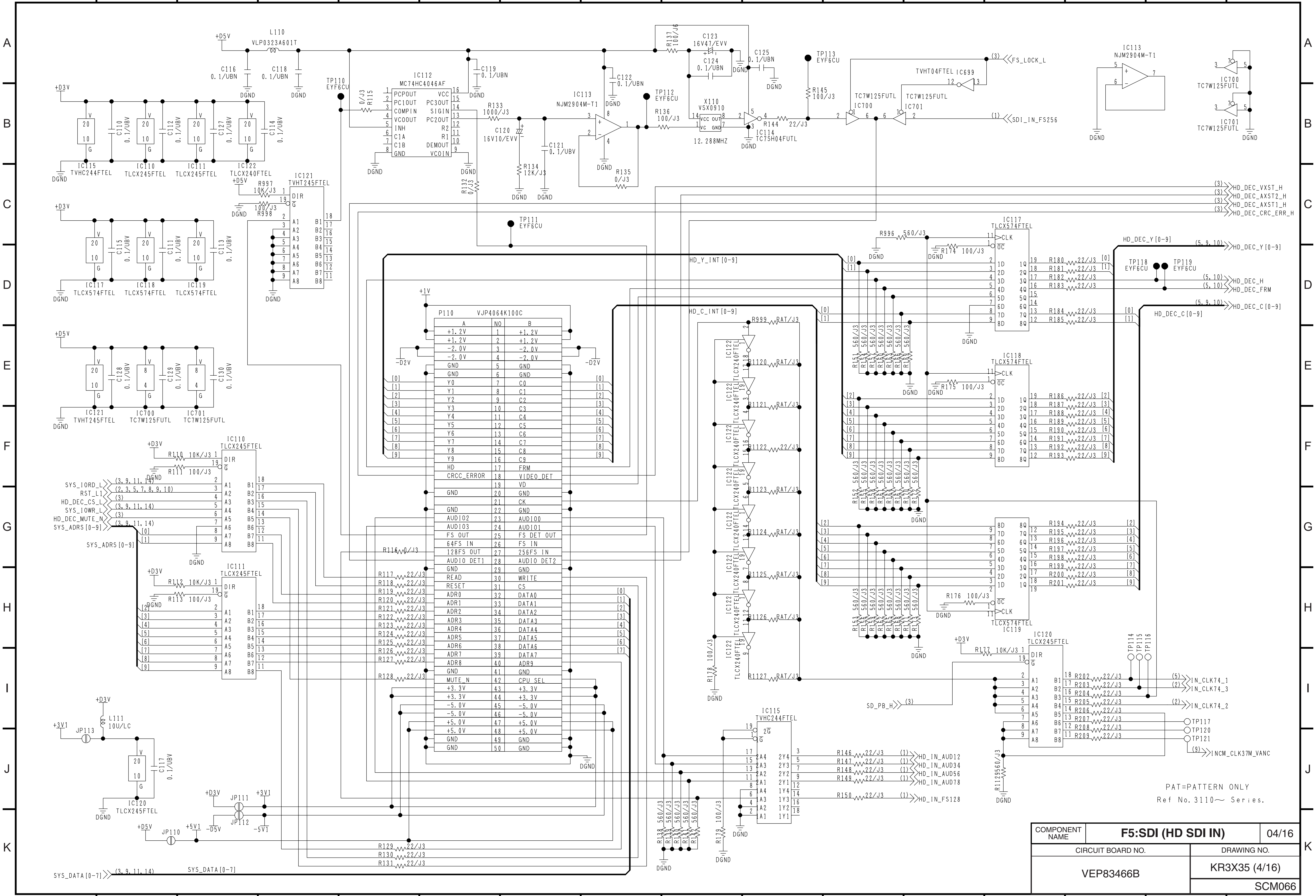
PAT=PATTERN ONLY
Ref No. 3005～ Series.

COMPONENT NAME	F5:SDI (POWER)	02/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (2/16)	
	SCM064	

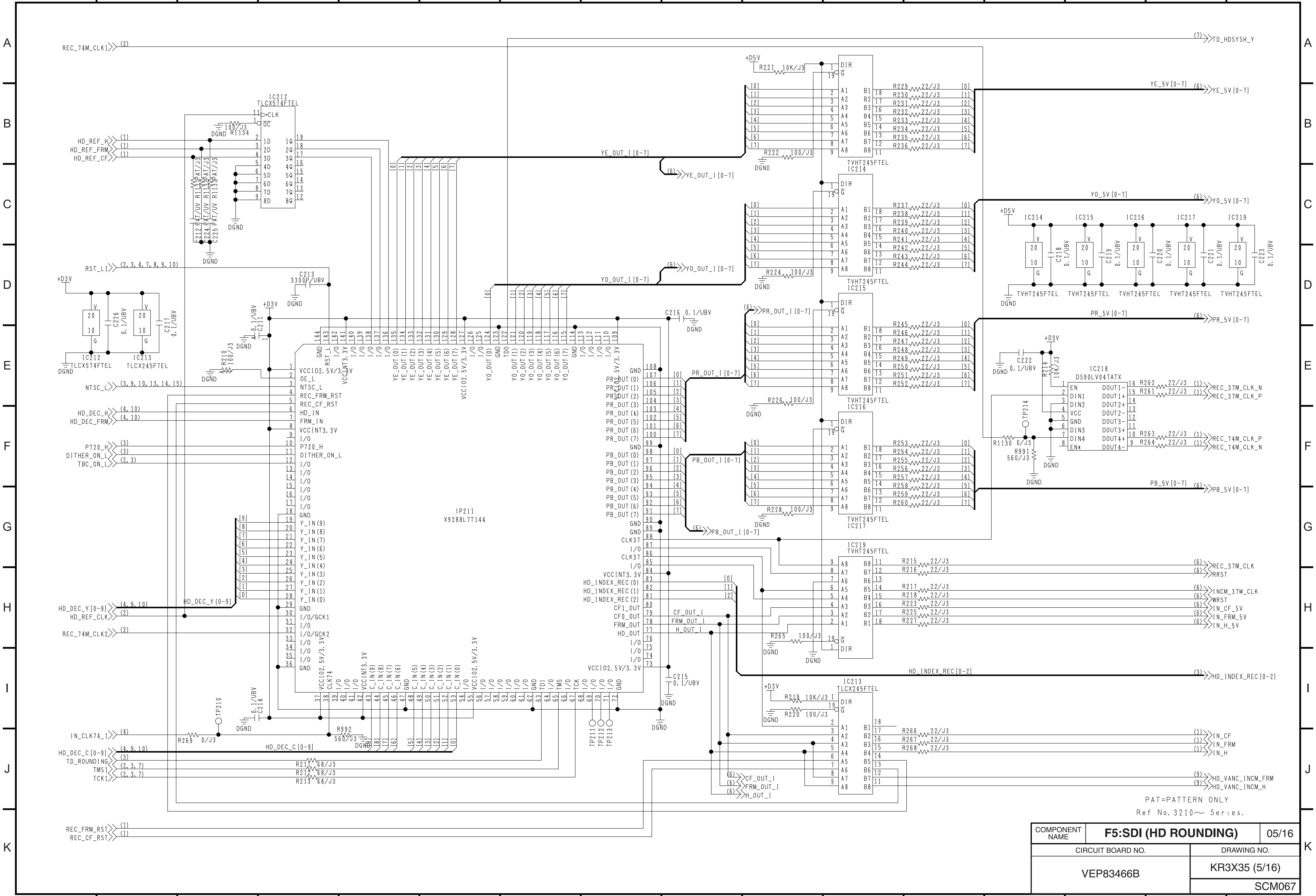

IC92 TLCX245FTEL
IC93 TLCX245FTEL
IC94 TLCX245FTEL
IC95 TLCX245FTEL
IC90 SN74S1053NSL
IC91 SN74S1051NSL
IP96 X9288L7T144
REC_SYS_RD_N
REC_SYS_WR_N
AV_RST_L
AV_SDI_CS_L
REC_SYS_ADRS[0-15]
REC_SYS_ADRS[0-15]
REC_SYS_DATA[0-7]
SD_ENC2_CS_L
CLK37_4
CLK27_1
OUT_CLK7
SYS_ADRS[0-15]
SYS_DATA[0-7]
SYS_IORD_L
SYS_IOWR_L
RST_L1
RST_L2
FC_MODE[0-3]
FC_DB[0-3]
FC_ADRS[0-3]
FC_STB
FC_CS
SD_PB_H
TD_ROUNDING
HD_SYSH_H
VANC_CS_L
HD_ENC2_CS_L
HD_ENC1_CS_L
HD_DEC_CS_L
SD_STOP_L
HD_STOP_L
EE_THROUGH_L
P420_H
P720_H
HD_TV_MODE[0-3]
HD_INDEX_PB
HD_P2S_RST_L
HD_DEC_MUTE_N
INCOM_L
P2S2_LBWC
P2S2_EDH_PASS_H
P2S1_LBWC
DITHER_ON_L
NTSC_L
CHAR_BUSY_H
SYS_ADRS[0-9]
SD_ENC_AUD_MUTE
SYS_DATA[0-7]
HD_DEC_VXST_H
HD_DEC_AXST1_H
HD_DEC_AXST2_H
HD_DEC_CRC_ERR_H
HD_INDEX_REC[0-2]
HD_MUTE0
HD_MUTE1
SD_MUTE0
SD_MUTE1
HD_SYSH_RST
SD_SYSH_RST
TBC_ON_L
FS_LOCK_L
CUT_ST_L
TD_START
TMS1
TCK1
HD_CHAR_BUSY
SD_CHAR_BUSY
D90 LN1251CAL-TR VXST
D91 LN1251CAL-TR CRCC
D92 LN1251CAL-TR PIO
QR90 UN2214-TX
QR91 UN2214-TX
QR92 UN2214-TX
R96 820/J3
R102 820/J3
R104 820/J3
R100 0/J3
R103 0/J3
R105 0/J3
R97 68/J3
R98 68/J3
R99 68/J3
R90 10K/J3
R91 100/J3
R92 10K/J3
R93 100/J3
R94 10K/J3
R95 100/J3
R101 100/J3
R106 0/J3
R107 0/J3
R108 PAT/J3
R109 PAT/J3
C90 0.1/UBV
C91 0.1/UBV
C92 0.1/UBV
C93 0.1/UBV
C94 0.1/UBV
C95 0.1/UBV
C96 0.1/UBV
C97 0.1/UBV
C98 0.1/UBV
C99 3300P/UBV
C100 0.1/UBV
C101 0.1/UBV
TP90
TP91
TP92
+D3V
DGND

PAT=PATTERN ONLY
Ref No.3090～ Series.

COMPONENT NAME	F5:SDI (SYS_I/F)	03/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (3/16)	
	SCM065	


IC112 MC74HC4046AF
IC113 NJM2904M-T1
X110 VSX0910 12.288MHZ
IC114 TC75H04FUTL
IC700 TC7W125FUTL
IC701 TC7W125FUTL
IC699 TVHT04FTEL
L110 VLP0323A601T
TP110 EYF6CU
TP111 EYF6CU
TP112 EYF6CU
TP113 EYF6CU
TP118 EYF6CU
TP119 EYF6CU
IC115 TVHC244FTEL
IC110 TLCX245FTEL
IC111 TLCX245FTEL
IC122 TLCX240FTEL
IC121 TVHT245FTEL
IC117 TLCX574FTEL
IC118 TLCX574FTEL
IC119 TLCX574FTEL
IC120 TLCX245FTEL
P110 VJP4064K100C
FS_LOCK_L
SDI_IN_FS256
HD_DEC_VXST_H
HD_DEC_AXST2_H
HD_DEC_AXST1_H
HD_DEC_CRC_ERR_H
HD_DEC_Y[0-9]
HD_DEC_H
HD_DEC_FRM
HD_DEC_C[0-9]
HD_Y_INT[0-9]
HD_C_INT[0-9]
SYS_IORD_L
RST_L
HD_DEC_CS_L
SYS_IOWR_L
HD_DEC_MUTE_N
SYS_ADRS[0-9]
SYS_DATA[0-7]
SD_PB_H
IN_CLK74_1
IN_CLK74_3
IN_CLK74_2
INCM_CLK37M_VANC
HD_IN_AUD12
HD_IN_AUD34
HD_IN_AUD56
HD_IN_AUD78
HD_IN_FS128
JP110
JP111
JP112
JP113
L111 10U/LC
+D5V
+D3V
+3V1
+5V1
-5V1
-D5V
DGND
PAT=PATTERN ONLY
Ref No. 3110~ Series.

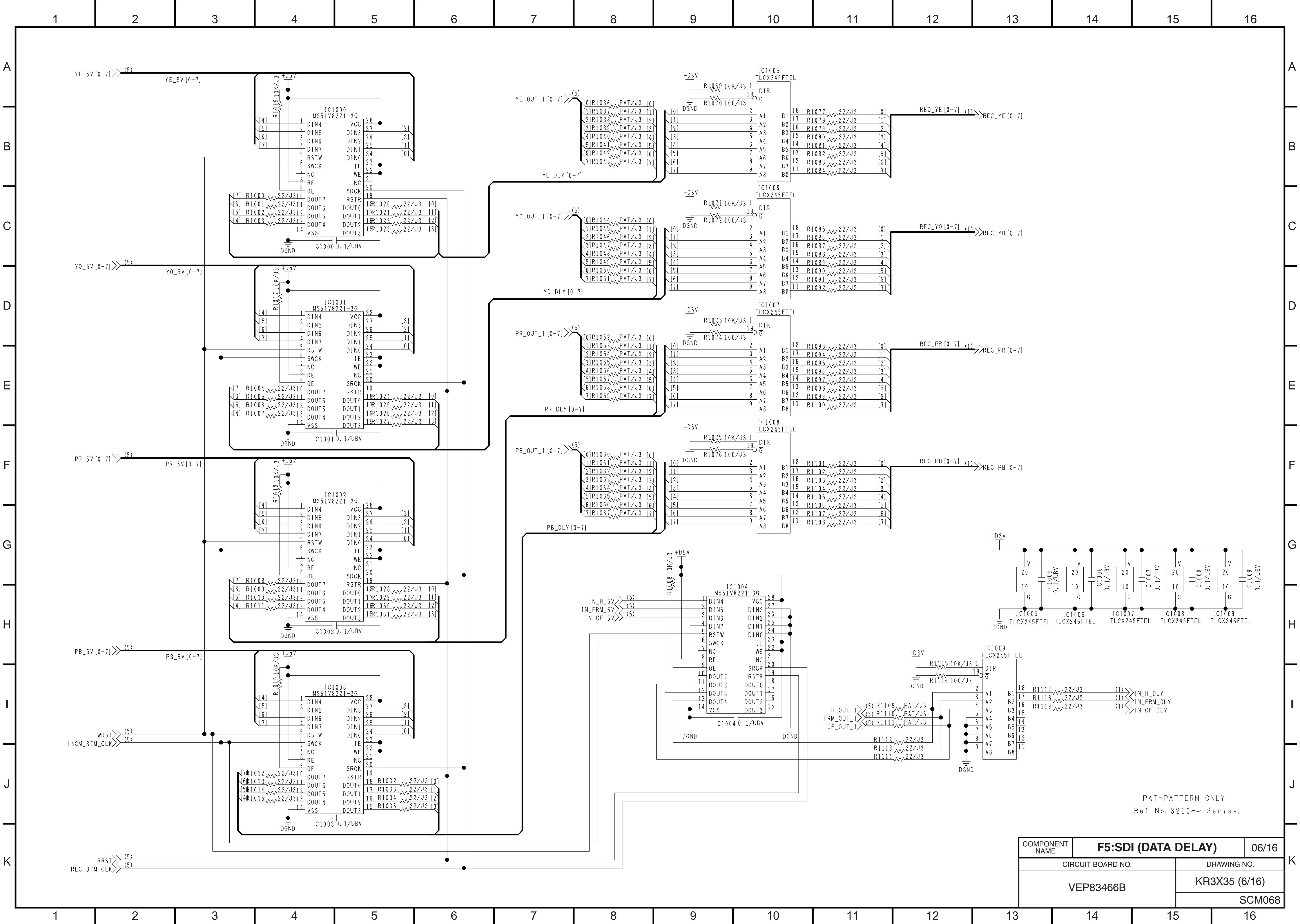
COMPONENT NAME	F5:SDI (HD SDI IN)	04/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83466B		KR3X35 (4/16)
		SCM066


REC_74M_CLK1
TD_HDSYSH_Y
IC212
TLCX574FTEL
HD_REF_H
HD_REF_FRM
HD_REF_CF
R1134 100/J3
DGND
RST_L1
C213 3300P/UBV
+D3V
+D5V
C226 0.1/UBV
C217 0.1/UBV
IC213 TLCX245FTEL
NTSC_L
HD_DEC_H
HD_DEC_FRM
P720_H
DITHER_ON_L
TBC_ON_L
HD_DEC_Y[0-9]
HD_REF_CLK
REC_74M_CLK2
IN_CLK74_1
R269 0/J3
TP210
C214 0.1/UBV
R992 560/J3
HD_DEC_C[0-9]
TD_ROUNDING
TMS1
TCK1
R211 68/J3
R212 68/J3
R213 68/J3
REC_FRM_RST
REC_CF_RST
IP211
X9288L7T144
YE_OUT_I[0-7]
YO_OUT_I[0-7]
PR_OUT_I[0-7]
PB_OUT_I[0-7]
C216 0.1/UBV
C215 0.1/UBV
TP211
TP212
TP213
IC214
IC215
IC216
IC217
TVHT245FTEL
R221 10K/J3
R222 100/J3
R224 100/J3
R226 100/J3
R228 100/J3
YE_5V[0-7]
YO_5V[0-7]
PR_5V[0-7]
PB_5V[0-7]
IC218
DS90LV047ATX
R214 10K/J3
C222 0.1/UBV
TP214
R1130 0/J3
R991 560/J3
REC_37M_CLK_N
REC_37M_CLK_P
REC_74M_CLK_P
REC_74M_CLK_N
IC219
TVHT245FTEL
REC_37M_CLK
RRST
INCM_37M_CLK
WRST
IN_CF_5V
IN_FRM_5V
IN_H_5V
R265 100/J3
HD_INDEX_REC[0-2]
CF_OUT_I
FRM_OUT_I
H_OUT_I
IC213
TLCX245FTEL
R219 10K/J3
R220 100/J3
IN_CF
IN_FRM
IN_H
HD_VANC_INCM_FRM
HD_VANC_INCM_H
C218 0.1/UBV
C219 0.1/UBV
C220 0.1/UBV
C221 0.1/UBV
C223 0.1/UBV

PAT=PATTERN ONLY

Ref No. 3210～ Series.

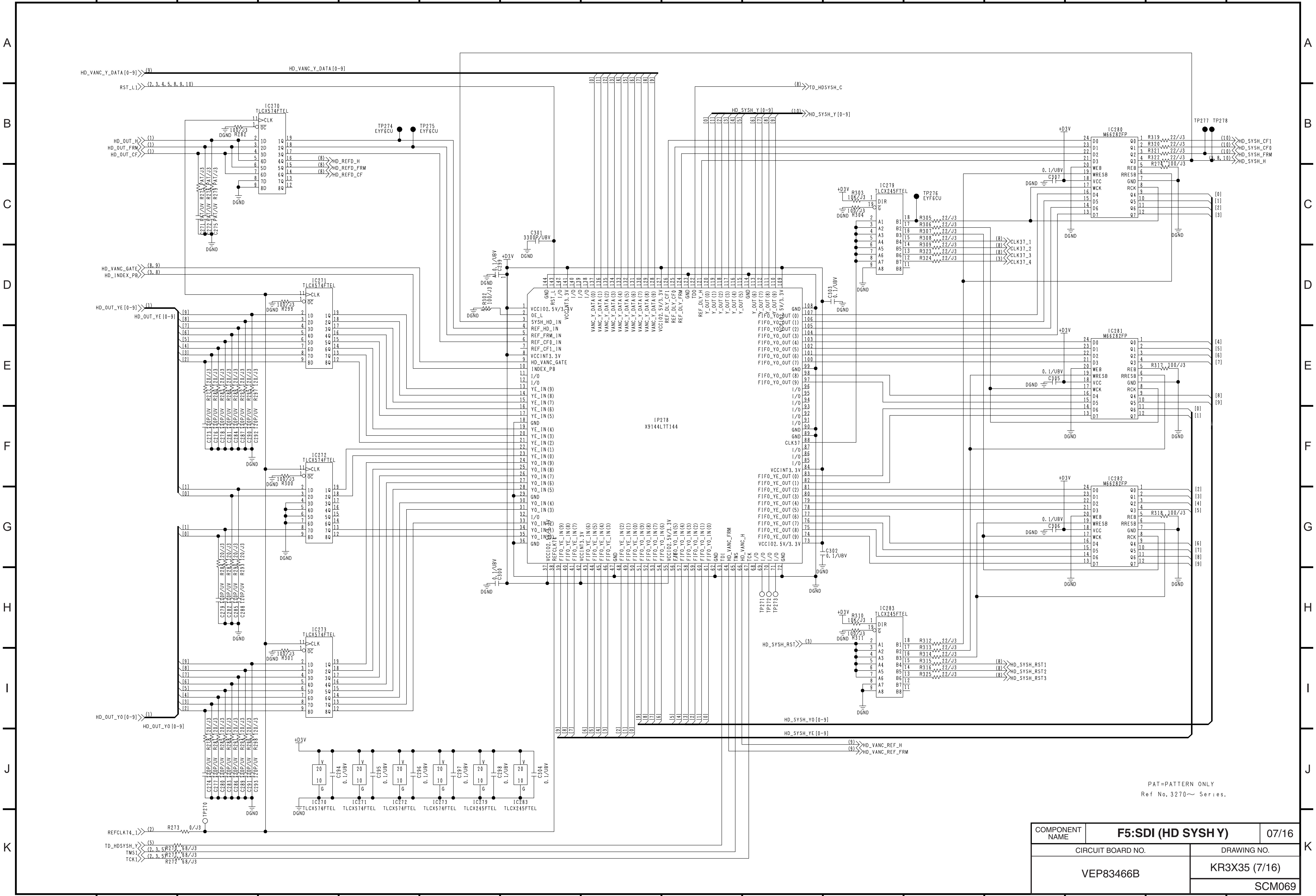
COMPONENT NAME	F5:SDI (HD ROUNDING)	05/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83466B		KR3X35 (5/16)
		SCM067


YE_5V [0-7]
YO_5V [0-7]
PR_5V [0-7]
PB_5V [0-7]
WRST
INCM_37M_CLK
RRST
REC_37M_CLK
IC1000 MS51V8221-3G
IC1001 MS51V8221-3G
IC1002 MS51V8221-3G
IC1003 MS51V8221-3G
IC1004 MS51V8221-3G
DIN4 DIN5 DIN6 DIN7 RSTW SWCK NC RE OE DOUT7 DOUT6 DOUT5 DOUT4 VSS
VCC DIN3 DIN2 DIN1 DIN0 IE WE NC SRCK RSTR DOUT0 DOUT1 DOUT2 DOUT3
+D5V
DGND
C1000 0.1/UBV
C1001 0.1/UBV
C1002 0.1/UBV
C1003 0.1/UBV
C1004 0.1/UBV
R1016 10K/J3
R1017 10K/J3
R1018 10K/J3
R1019 10K/J3
R1068 10K/J3
YE_DLY [0-7]
YO_DLY [0-7]
PR_DLY [0-7]
PB_DLY [0-7]
YE_OUT_I [0-7]
YO_OUT_I [0-7]
PR_OUT_I [0-7]
PB_OUT_I [0-7]
IC1005 TLCX245FTEL
IC1006 TLCX245FTEL
IC1007 TLCX245FTEL
IC1008 TLCX245FTEL
IC1009 TLCX245FTEL
+D3V
DIR
G
A1 A2 A3 A4 A5 A6 A7 A8
B1 B2 B3 B4 B5 B6 B7 B8
R1069 10K/J3
R1070 100/J3
R1071 10K/J3
R1072 100/J3
R1073 10K/J3
R1074 100/J3
R1075 10K/J3
R1076 100/J3
R1115 10K/J3
R1116 100/J3
PAT/J3
22/J3
REC_YE [0-7]
REC_YO [0-7]
REC_PR [0-7]
REC_PB [0-7]
IN_H_5V
IN_FRM_5V
IN_CF_5V
H_OUT_I
FRM_OUT_I
CF_OUT_I
R1109
R1110
R1111
R1112
R1113
R1114
R1117
R1118
R1119
IN_H_DLY
IN_FRM_DLY
IN_CF_DLY
C1005 0.1/UBV
C1006 0.1/UBV
C1007 0.1/UBV
C1008 0.1/UBV
C1009 0.1/UBV

PAT=PATTERN ONLY

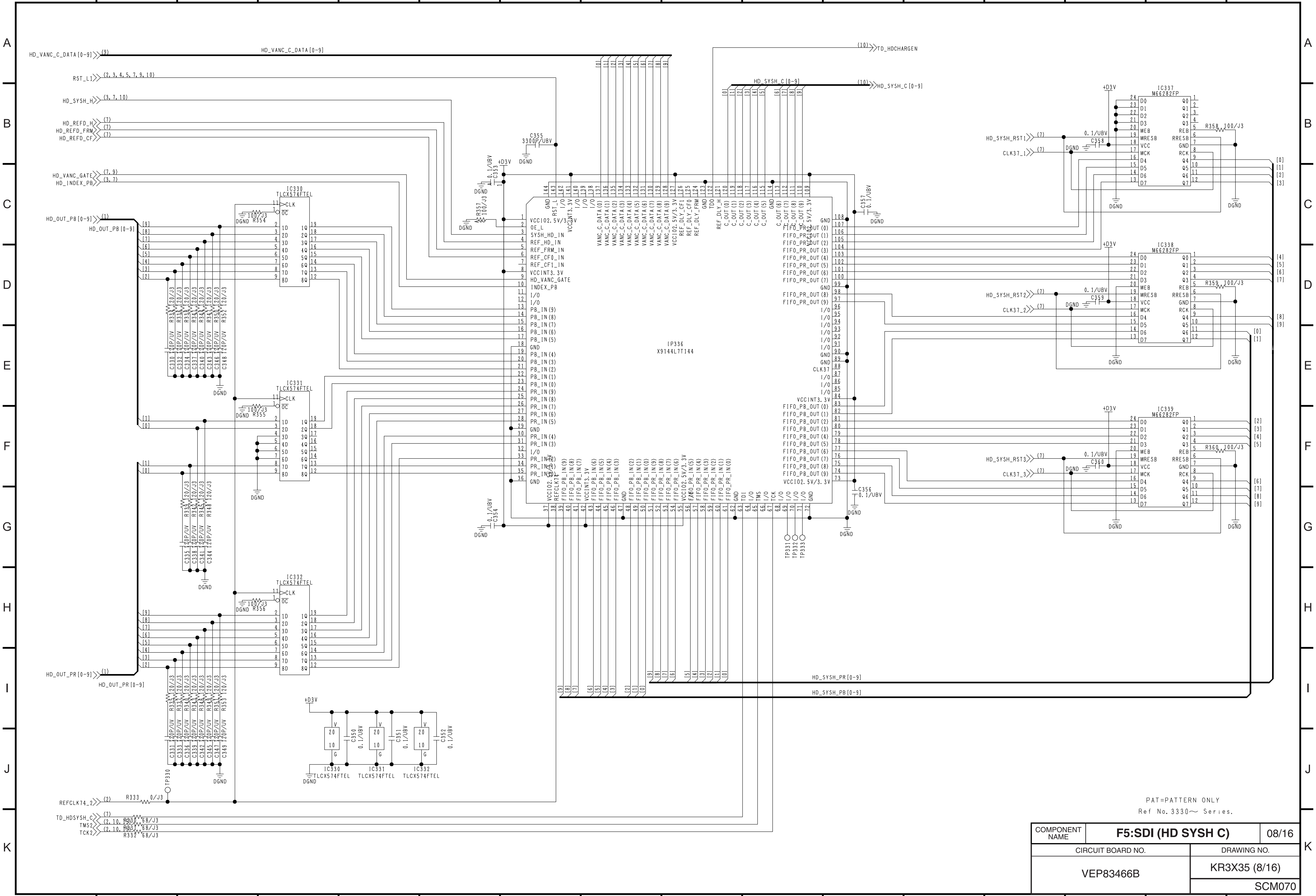
Ref No. 3210～ Series.

COMPONENT NAME	F5:SDI (DATA DELAY)	06/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83466B		KR3X35 (6/16)
		SCM068

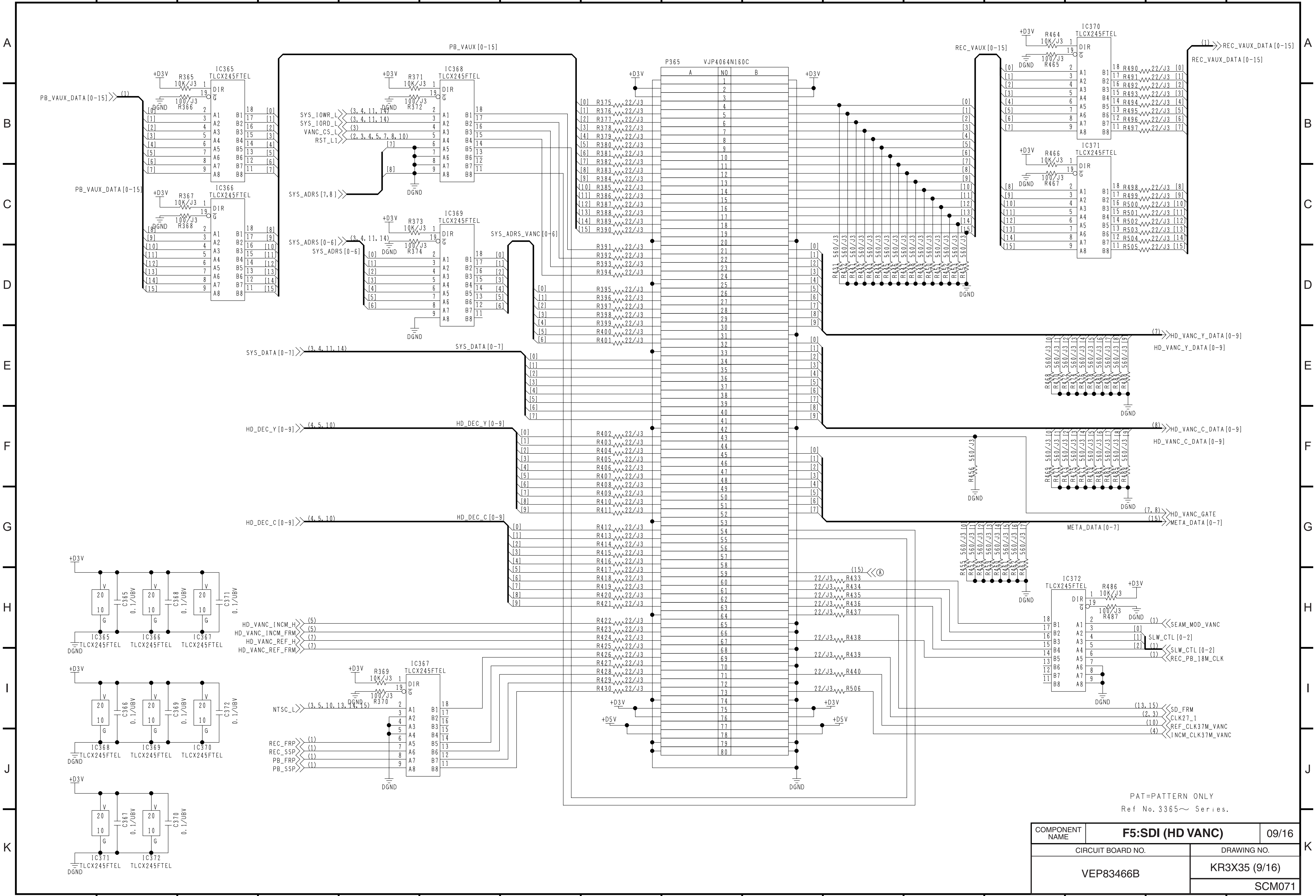

IP278
X9144L7T144
IC270 TLCX574FTEL
IC271 TLCX574FTEL
IC272 TLCX574FTEL
IC273 TLCX574FTEL
IC279 TLCX245FTEL
IC283 TLCX245FTEL
IC280 M66282FP
IC281 M66282FP
IC282 M66282FP
HD_VANC_Y_DATA[0-9]
RST_L1
HD_OUT_H
HD_OUT_FRM
HD_OUT_CF
HD_REFD_H
HD_REFD_FRM
HD_REFD_CF
TD_HDSYSH_C
HD_SYSH_Y[0-9]
HD_SYSH_CF1
HD_SYSH_CF0
HD_SYSH_FRM
HD_SYSH_H
HD_VANC_GATE
HD_INDEX_PB
HD_OUT_YE[0-9]
HD_OUT_YO[0-9]
CLK37_1
CLK37_2
CLK37_3
CLK37_4
HD_SYSH_RST
HD_SYSH_RST1
HD_SYSH_RST2
HD_SYSH_RST3
HD_SYSH_YO[0-9]
HD_SYSH_YE[0-9]
HD_VANC_REF_H
HD_VANC_REF_FRM
REFCLK74_1
TD_HDSYSH_Y
TMS1
TCK1
TP270
TP271
TP272
TP273
TP274 EYF6CU
TP275 EYF6CU
TP276 EYF6CU
TP277
TP278
+D3V
DGND

PAT=PATTERN ONLY
Ref No.3270～ Series.

COMPONENT NAME	F5:SDI (HD SYSH Y)	07/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (7/16)	
	SCM069	

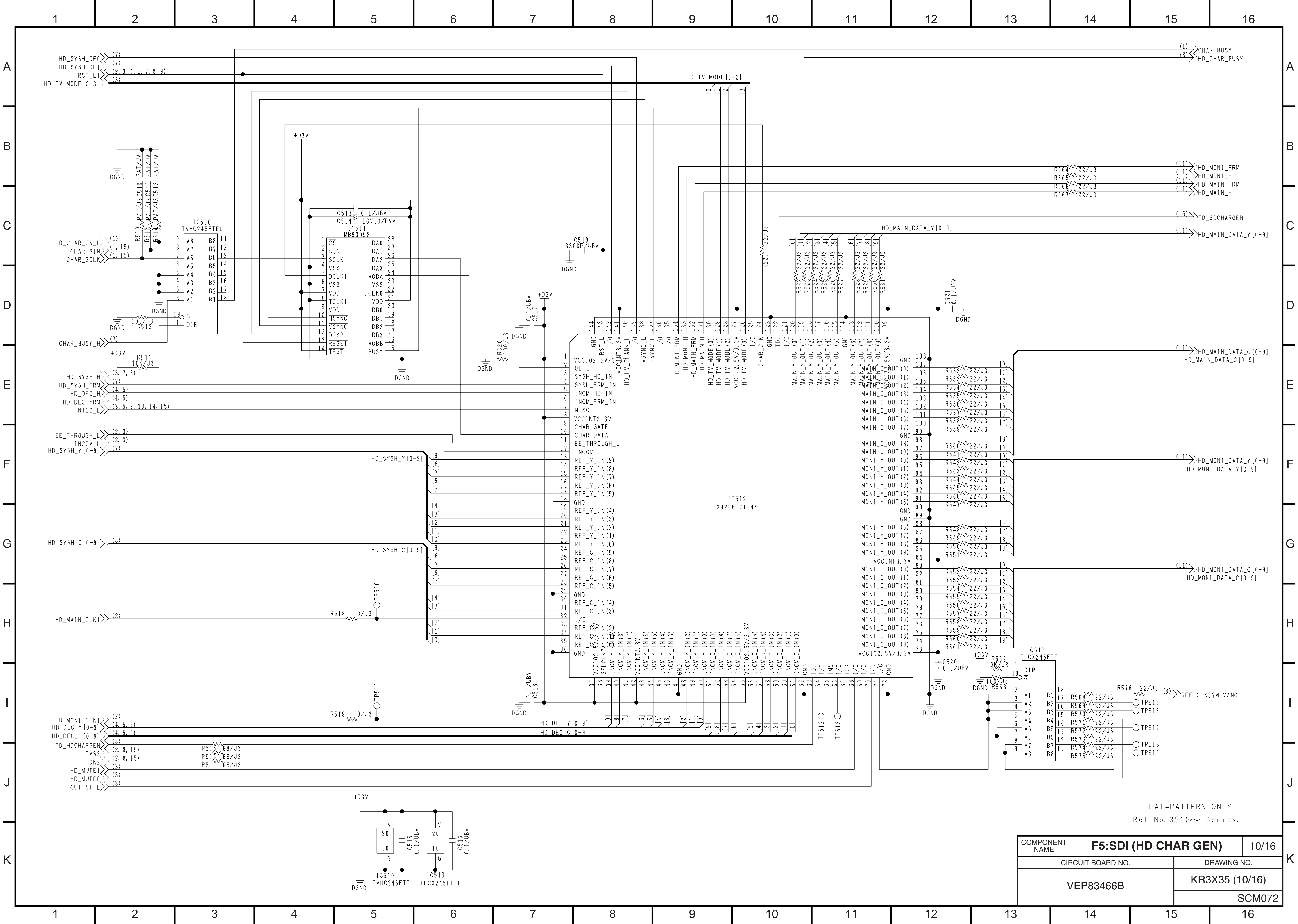

HD_VANC_C_DATA[0-9]
RST_L1
HD_SYSH_H
HD_REFD_H
HD_REFD_FRM
HD_REFD_CF
HD_VANC_GATE
HD_INDEX_PB
HD_OUT_PB[0-9]
HD_OUT_PR[0-9]
REFCLK74_2
TD_HDSYSH_C
TMS2
TCK2
TD_HDCHARGEN
HD_SYSH_C[0-9]
HD_SYSH_RST1
CLK37_1
HD_SYSH_RST2
CLK37_2
HD_SYSH_RST3
CLK37_3
HD_SYSH_PR[0-9]
HD_SYSH_PB[0-9]
IC330 TLCX574FTEL
IC331 TLCX574FTEL
IC332 TLCX574FTEL
IP336 X9144L7T144
IC337 M66282FP
IC338 M66282FP
IC339 M66282FP
C355 3300P/UBV
C353 0.1/UBV
C354 0.1/UBV
C356 0.1/UBV
C357 0.1/UBV
C358 0.1/UBV
C359 0.1/UBV
C360 0.1/UBV
C350 0.1/UBV
C351 0.1/UBV
C352 0.1/UBV
R354 100/J3
R355 100/J3
R356 100/J3
R357 100/J3
R358 100/J3
R359 100/J3
R360 100/J3
R333 0/J3
R330 68/J3
R331 68/J3
R332 68/J3
TP330
TP331
TP332
TP333
+D3V
DGND
PAT=PATTERN ONLY
Ref No. 3330～ Series.

COMPONENT NAME	F5:SDI (HD SYSH C)	08/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83466B		KR3X35 (8/16)
		SCM070


PB_VAUX_DATA[0-15]
PB_VAUX[0-15]
IC365 TLCX245FTEL
IC366 TLCX245FTEL
IC367 TLCX245FTEL
IC368 TLCX245FTEL
IC369 TLCX245FTEL
IC370 TLCX245FTEL
IC371 TLCX245FTEL
IC372 TLCX245FTEL
+D3V
+D5V
DGND
R365 10K/J3
R366 100/J3
R367 10K/J3
R368 100/J3
R371 10K/J3
R372 100/J3
R373 10K/J3
R374 100/J3
R369 10K/J3
R370 100/J3
R464 10K/J3
R465 100/J3
R466 10K/J3
R467 100/J3
R486 10K/J3
R487 100/J3
SYS_IOWR_L (3,4,11,14)
SYS_IORD_L (3,4,11,14)
VANC_CS_L (3)
RST_L1 (2,3,4,5,7,8,10)
SYS_ADRS[7,8]
SYS_ADRS[0-6] (3,4,11,14)
SYS_ADRS_VANC[0-6]
SYS_DATA[0-7] (3,4,11,14)
HD_DEC_Y[0-9] (4,5,10)
HD_DEC_C[0-9] (4,5,10)
HD_VANC_INCM_H (5)
HD_VANC_INCM_FRM (5)
HD_VANC_REF_H (7)
HD_VANC_REF_FRM (7)
NTSC_L (3,5,10,13,14,15)
REC_FRP (1)
REC_SSP (1)
PB_FRP (1)
PB_SSP (1)
P365 VJP4064N160C
R375–R430 22/J3
R433–R440, R506 22/J3
R441–R455 560/J3
R456 560/J3
R458–R469 560/J3
REC_VAUX[0-15]
REC_VAUX_DATA[0-15] (1)
R490–R505 22/J3
HD_VANC_Y_DATA[0-9] (7)
HD_VANC_C_DATA[0-9] (8)
HD_VANC_GATE (7,8)
META_DATA[0-7] (15)
(15) Ⓐ
SEAM_MOD_VANC (1)
SLW_CTL[0-2]
SLW_CTL[0-2] (1)
REC_PB_18M_CLK (1)
SD_FRM (13,15)
CLK27_1 (2,3)
REF_CLK37M_VANC (10)
INCM_CLK37M_VANC (4)
C365 0.1/UBV
C366 0.1/UBV
C367 0.1/UBV
C368 0.1/UBV
C369 0.1/UBV
C370 0.1/UBV
C371 0.1/UBV
C372 0.1/UBV

PAT=PATTERN ONLY
Ref No.3365～ Series.

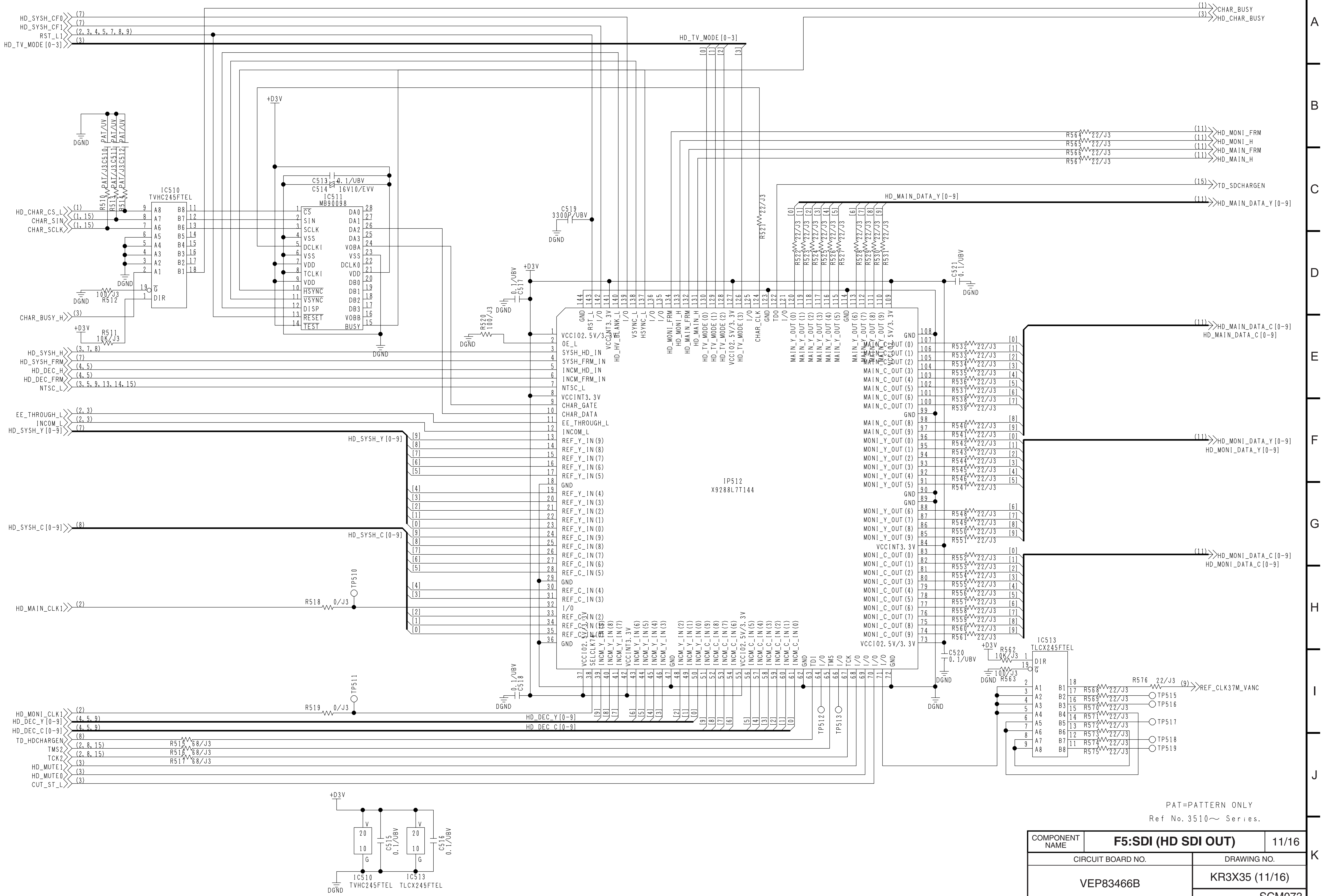
COMPONENT NAME	F5:SDI (HD VANC)	09/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (9/16)	
	SCM071	


HD_SYSH_CF0
HD_SYSH_CF1
RST_L1
HD_TV_MODE[0-3]
HD_CHAR_CS_L
CHAR_SIN
CHAR_SCLK
CHAR_BUSY_H
HD_SYSH_H
HD_SYSH_FRM
HD_DEC_H
HD_DEC_FRM
NTSC_L
EE_THROUGH_L
INCOM_L
HD_SYSH_Y[0-9]
HD_SYSH_C[0-9]
HD_MAIN_CLK1
HD_MONI_CLK1
HD_DEC_Y[0-9]
HD_DEC_C[0-9]
TD_HDCHARGEN
TMS2
TCK2
HD_MUTE1
HD_MUTE0
CUT_ST_L
CHAR_BUSY
HD_CHAR_BUSY
HD_MONI_FRM
HD_MONI_H
HD_MAIN_FRM
HD_MAIN_H
TD_SDCHARGEN
HD_MAIN_DATA_Y[0-9]
HD_MAIN_DATA_C[0-9]
HD_MONI_DATA_Y[0-9]
HD_MONI_DATA_C[0-9]
REF_CLK37M_VANC
IC510
TVHC245FTEL
IC511
MB90098
IC512
X9288L7T144
IC513
TLCX245FTEL
C513 0.1/UBV
C514 16V10/EVV
C519 3300P/UBV
C517 0.1/UBV
C518 0.1/UBV
C520 0.1/UBV
C521 0.1/UBV
C515 0.1/UBV
C516 0.1/UBV
R510 PAT/J3
R511 10K/J3
R512 100/J3
R518 0/J3
R519 0/J3
R520 100/J3
R521 22/J3
R562 10K/J3
R563 100/J3
R576 22/J3
R515 68/J3
R516 68/J3
R517 68/J3
TP510
TP511
TP512
TP513
TP515
TP516
TP517
TP518
TP519
+D3V
DGND

PAT=PATTERN ONLY

Ref No. 3510～ Series.

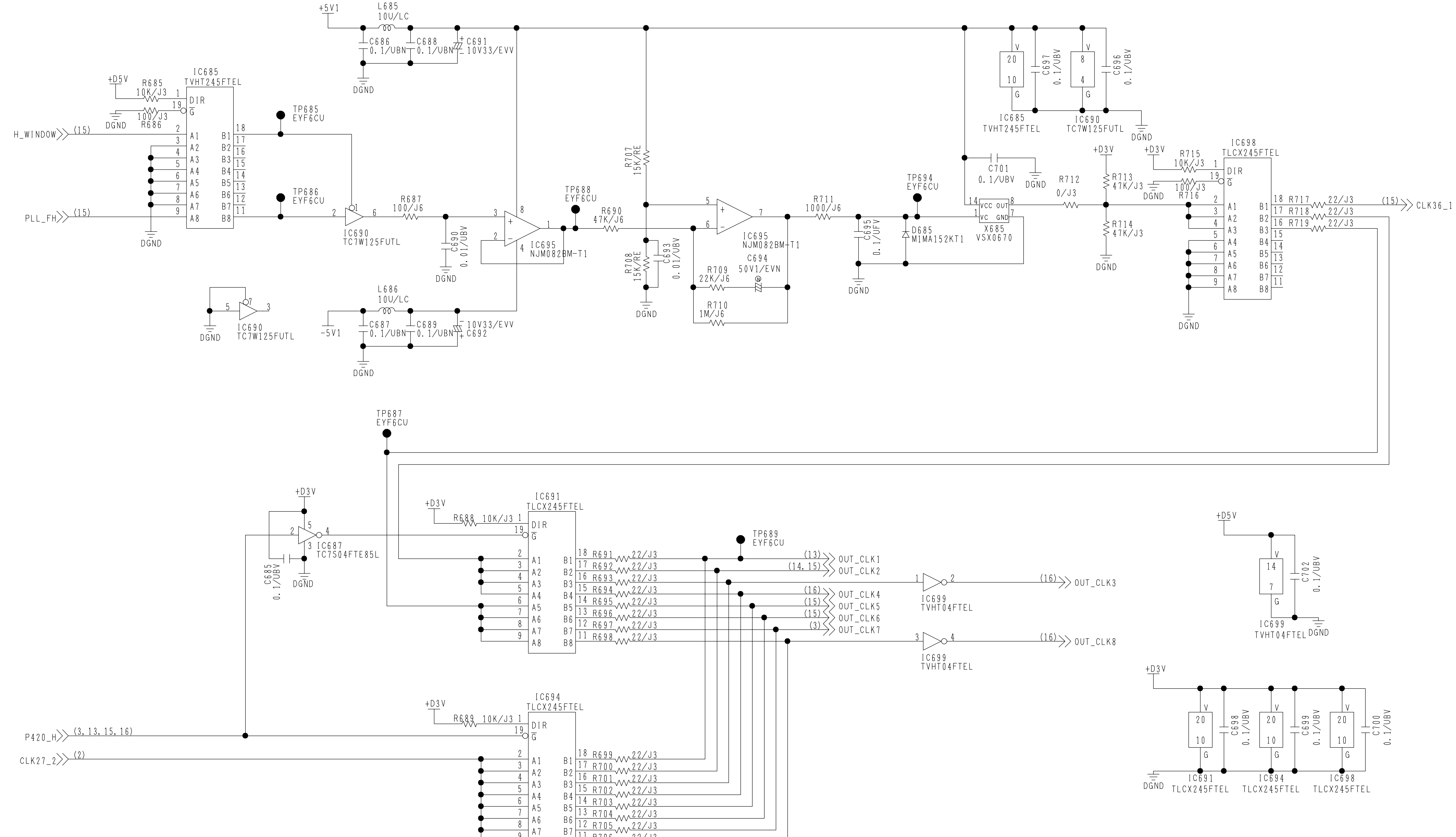
COMPONENT NAME	F5:SDI (HD CHAR GEN)	10/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (10/16)	
	SCM072	


HD_SYSH_CF0
HD_SYSH_CF1
RST_L1
HD_TV_MODE[0-3]
HD_CHAR_CS_L
CHAR_SIN
CHAR_SCLK
CHAR_BUSY_H
HD_SYSH_H
HD_SYSH_FRM
HD_DEC_H
HD_DEC_FRM
NTSC_L
EE_THROUGH_L
INCOM_L
HD_SYSH_Y[0-9]
HD_SYSH_C[0-9]
HD_MAIN_CLK1
HD_MONI_CLK1
HD_DEC_Y[0-9]
HD_DEC_C[0-9]
TD_HDCHARGEN
TMS2
TCK2
HD_MUTE1
HD_MUTE0
CUT_ST_L
IC510 TVHC245FTEL
IC511 MB90098
IC512 X9288L7T144
IC513 TLCX245FTEL
CHAR_BUSY
HD_CHAR_BUSY
HD_MONI_FRM
HD_MONI_H
HD_MAIN_FRM
HD_MAIN_H
TD_SDCHARGEN
HD_MAIN_DATA_Y[0-9]
HD_MAIN_DATA_C[0-9]
HD_MONI_DATA_Y[0-9]
HD_MONI_DATA_C[0-9]
REF_CLK37M_VANC
TP510
TP511
TP512
TP513
TP515
TP516
TP517
TP518
TP519
+D3V
DGND

PAT=PATTERN ONLY

Ref No. 3510～ Series.

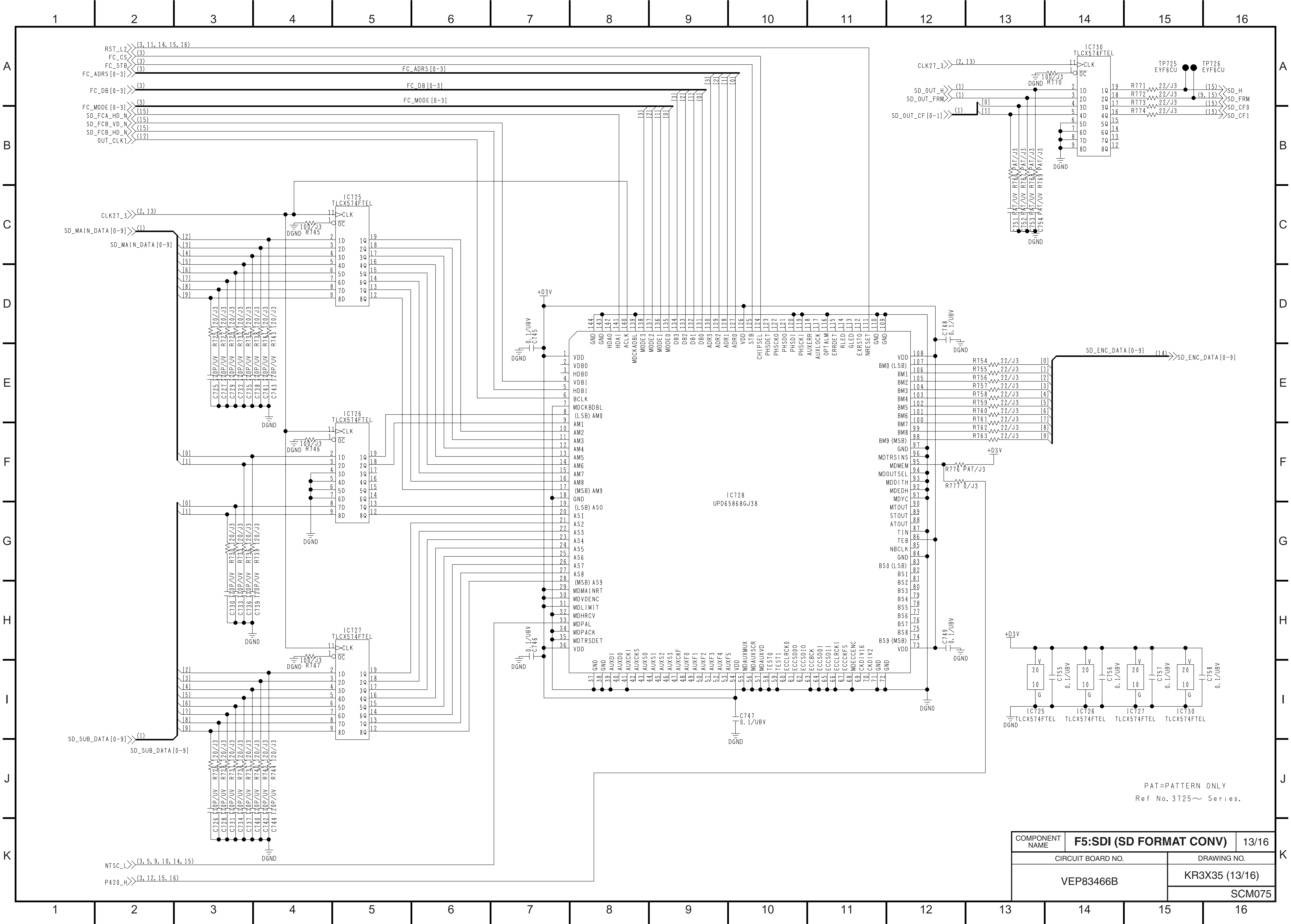
COMPONENT NAME	F5:SDI (HD SDI OUT)	11/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (11/16)	
	SCM073	


+5V1
L685
10U/LC
C686
0.1/UBN
C688
0.1/UBN
C691
10V33/EVV
DGND
IC685
TVHT245FTEL
+D5V
R685
10K/J3
100/J3
R686
DIR
G
A1
A2
A3
A4
A5
A6
A7
A8
B1
B2
B3
B4
B5
B6
B7
B8
H_WINDOW
(15)
PLL_FH
(15)
TP685
EYF6CU
TP686
EYF6CU
IC690
TC7W125FUTL
R687
100/J6
C690
0.01/UBV
IC695
NJM082BM-T1
TP688
EYF6CU
R690
47K/J6
L686
10U/LC
C687
0.1/UBN
C689
0.1/UBN
10V33/EVV
C692
-5V1
R707
15K/RE
R708
15K/RE
C693
0.01/UBV
R709
22K/J6
C694
50V1/EVN
R710
1M/J6
R711
1000/J6
C695
0.1/UFV
TP694
EYF6CU
D685
MIMA152KT1
X685
VSX0670
VCC OUT
VC GND
C701
0.1/UBV
C697
0.1/UBV
C696
0.1/UBV
IC685
TVHT245FTEL
IC690
TC7W125FUTL
+D3V
R712
0/J3
R713
47K/J3
R714
47K/J3
R715
10K/J3
100/J3
R716
IC698
TLCX245FTEL
R717
22/J3
R718
22/J3
R719
22/J3
(15)
CLK36_1
TP687
EYF6CU
+D3V
IC687
TC7S04FTE85L
C685
0.1/UBV
R688
10K/J3
IC691
TLCX245FTEL
R691
R692
R693
R694
R695
R696
R697
R698
22/J3
TP689
EYF6CU
(13) OUT_CLK1
(14, 15) OUT_CLK2
(16) OUT_CLK3
(16) OUT_CLK4
(15) OUT_CLK5
(15) OUT_CLK6
(3) OUT_CLK7
(16) OUT_CLK8
IC699
TVHT04FTEL
R689
10K/J3
IC694
TLCX245FTEL
P420_H
(3, 13, 15, 16)
CLK27_2
(2)
R699
R700
R701
R702
R703
R704
R705
R706
22/J3
+D5V
C702
0.1/UBV
IC699
TVHT04FTEL
C698
0.1/UBV
C699
0.1/UBV
C700
0.1/UBV
IC691
TLCX245FTEL
IC694
TLCX245FTEL
IC698
TLCX245FTEL

PAT=PATTERN ONLY

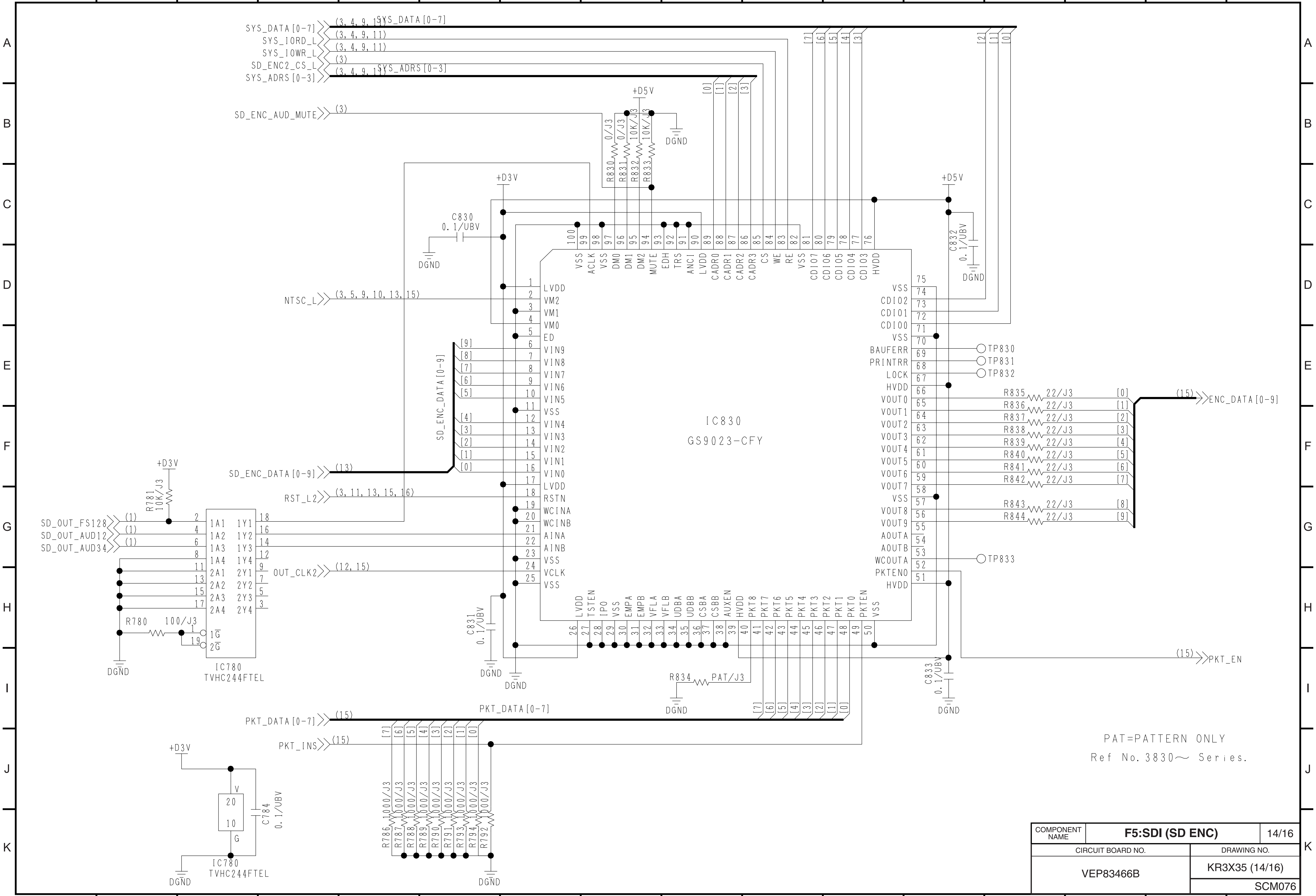
Ref No. 3685～ Series.

COMPONENT NAME	F5:SDI (SD 36M PLL)	12/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83466B		KR3X35 (12/16)
		SCM074


RST_L2 (3, 11, 14, 15, 16)
FC_CS (3)
FC_STB (3)
FC_ADRS[0-3] (3)
FC_DB[0-3] (3)
FC_MODE[0-3] (3)
SD_FCA_HD_N (15)
SD_FCB_VD_N (15)
SD_FCB_HD_N (15)
OUT_CLK1 (12)
CLK27_3 (2, 13)
SD_MAIN_DATA[0-9] (1)
SD_SUB_DATA[0-9] (1)
NTSC_L (3, 5, 9, 10, 14, 15)
P420_H (3, 12, 15, 16)
IC725 TLCX574FTEL
IC726 TLCX574FTEL
IC727 TLCX574FTEL
IC728 UPD65868GJ38
IC730 TLCX574FTEL
R745 100/J3
R746 100/J3
R747 100/J3
R770 100/J3
R725–R744 120/J3
C725–C744 120P/UV
C745 0.1/UBV
C746 0.1/UBV
C747 0.1/UBV
C748 0.1/UBV
C749 0.1/UBV
C751–C754 PAT/UV
R765–R769 PAT/J3
R754–R763 22/J3
R771–R774 22/J3
R776 PAT/J3
R777 0/J3
TP725 EYF6CU
TP726 EYF6CU
SD_OUT_H (1)
SD_OUT_FRM (1)
SD_OUT_CF[0-1] (1)
SD_H (15)
SD_FRM (9, 15)
SD_CF0 (15)
SD_CF1 (15)
SD_ENC_DATA[0-9] (14)
C755 0.1/UBV
C756 0.1/UBV
C757 0.1/UBV
C758 0.1/UBV
+D3V
DGND

PAT=PATTERN ONLY
Ref No.3725～ Series.

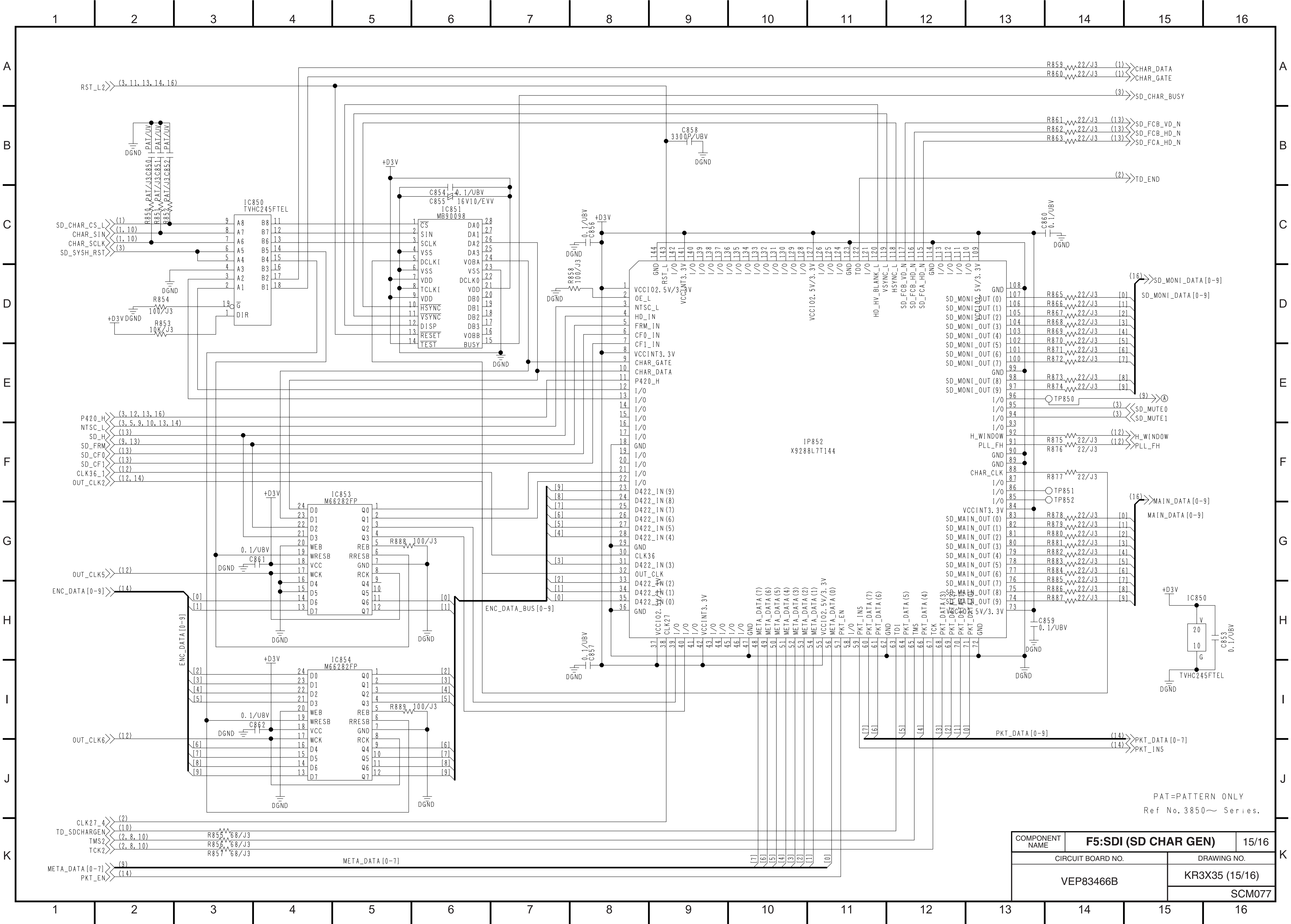
COMPONENT NAME	F5:SDI (SD FORMAT CONV)	13/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (13/16)	
	SCM075	


SYS_DATA[0-7] (3,4,9,11) SYS_DATA[0-7]
SYS_IORD_L (3,4,9,11)
SYS_IOWR_L (3,4,9,11)
SD_ENC2_CS_L (3)
SYS_ADRS[0-3] (3,4,9,11) SYS_ADRS[0-3]
SD_ENC_AUD_MUTE (3)
+D5V
DGND
R830 0/J3
R831 0/J3
R832 10K/J3
R833 10K/J3
+D3V
C830 0.1/UBV
C832 0.1/UBV
C831 0.1/UBV
C833 0.1/UBV
NTSC_L (3,5,9,10,13,15)
SD_ENC_DATA[0-9] (13)
RST_L2 (3,11,13,15,16)
OUT_CLK2 (12,15)
IC830
GS9023-CFY
1 LVDD
2 VM2
3 VM1
4 VM0
5 ED
6 VIN9
7 VIN8
8 VIN7
9 VIN6
10 VIN5
11 VSS
12 VIN4
13 VIN3
14 VIN2
15 VIN1
16 VIN0
17 LVDD
18 RSTN
19 WCINA
20 WCINB
21 AINA
22 AINB
23 VSS
24 VCLK
25 VSS
26 LVDD
27 TSTEN
28 IPO
29 VSS
30 EMPA
31 EMPB
32 VFLA
33 VFLB
34 UDBA
35 UDBB
36 CSBA
37 CSBB
38 AUXEN
39 HVDD
40 PKT8
41 PKT7
42 PKT6
43 PKT5
44 PKT4
45 PKT3
46 PKT2
47 PKT1
48 PKT0
49 PKTEN
50 VSS
51 HVDD
52 PKTENO
53 WCOUTA
54 AOUTB
55 AOUTA
56 VOUT9
57 VOUT8
58 VSS
59 VOUT7
60 VOUT6
61 VOUT5
62 VOUT4
63 VOUT3
64 VOUT2
65 VOUT1
66 VOUT0
67 HVDD
68 LOCK
69 PRINTRR
70 BAUFERR
71 VSS
72 CDIO0
73 CDIO1
74 CDIO2
75 VSS
76 HVDD
77 CDIO3
78 CDIO4
79 CDIO5
80 CDIO6
81 CDIO7
82 VSS
83 RE
84 WE
85 CS
86 CADR3
87 CADR2
88 CADR1
89 CADR0
90 LVDD
91 ANCI
92 TRS
93 EDH
94 MUTE
95 DM2
96 DM1
97 DM0
98 VSS
99 ACLK
100 VSS
TP830
TP831
TP832
TP833
R835 22/J3 [0]
R836 22/J3 [1]
R837 22/J3 [2]
R838 22/J3 [3]
R839 22/J3 [4]
R840 22/J3 [5]
R841 22/J3 [6]
R842 22/J3 [7]
R843 22/J3 [8]
R844 22/J3 [9]
(15) ENC_DATA[0-9]
(15) PKT_EN
R834 PAT/J3
PKT_DATA[0-7] (15) PKT_DATA[0-7]
PKT_INS (15)
+D3V
R781 10K/J3
SD_OUT_FS128 (1)
SD_OUT_AUD12 (1)
SD_OUT_AUD34 (1)
2 1A1 1Y1 18
4 1A2 1Y2 16
6 1A3 1Y3 14
8 1A4 1Y4 12
11 2A1 2Y1 9
13 2A2 2Y2 7
15 2A3 2Y3 5
17 2A4 2Y4 3
1 1G
19 2G
R780 100/J3
IC780
TVHC244FTEL
V 20
10 G
C784 0.1/UBV
R786 1000/J3
R787 1000/J3
R788 1000/J3
R789 1000/J3
R790 1000/J3
R791 1000/J3
R793 1000/J3
R794 1000/J3
R792 1000/J3
SD_ENC_DATA[0-9]

PAT=PATTERN ONLY

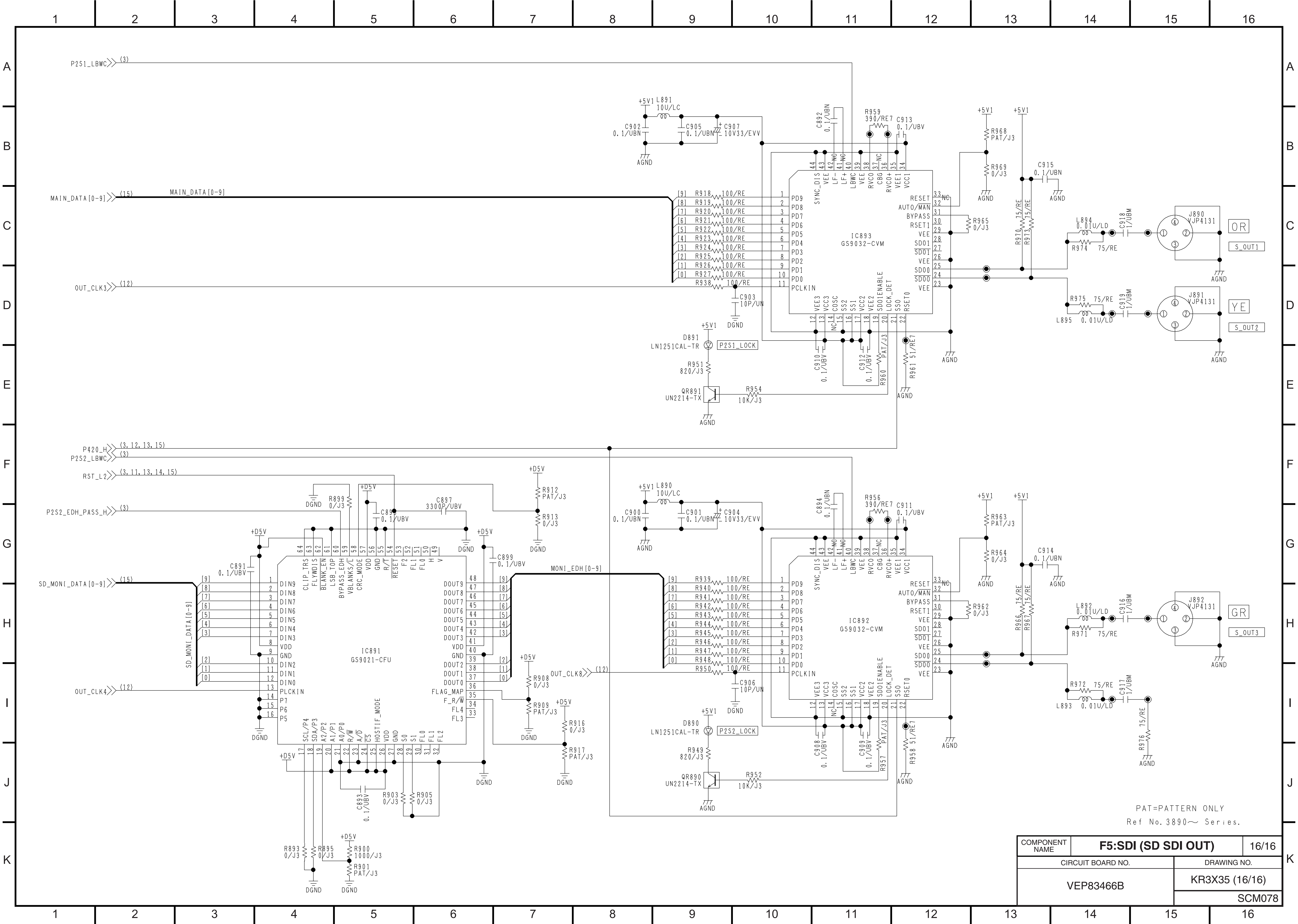
Ref No.3830～ Series.

COMPONENT NAME	F5:SDI (SD ENC)	14/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (14/16) SCM076	


RST_L2 (3, 11, 13, 14, 16)
SD_CHAR_CS_L (1)
CHAR_SIN (1, 10)
CHAR_SCLK (1, 10)
SD_SYSH_RST (3)
IC850 TVHC245FTEL
R850 PAT/UV C850 PAT/J3
R851 PAT/UV C851 PAT/J3
R852 PAT/UV C852 PAT/J3
R854 100/J3
R853 10K/J3
+D3V
DGND
IC851 MB90098
C854 0.1/UBV
C855 16V10/EVV
CS SIN SCLK VSS DCLKI VSS TCLKI VDD HSYNC VSYNC DISP RESET TEST
DA0 DA1 DA2 DA3 VOBA VSS DCLKO VDD DB0 DB1 DB2 DB3 VOBB BUSY
C858 3300P/UBV
C856 0.1/UBV
C860 0.1/UBV
R858 100/J3
C857 0.1/UBV
C859 0.1/UBV
IP852 X9288L7T144
VCCIO2.5V/3.3V OE_L NTSC_L HD_IN FRM_IN CF0_IN CF1_IN VCCINT3.3V CHAR_GATE CHAR_DATA P420_H
D422_IN(9) D422_IN(8) D422_IN(7) D422_IN(6) D422_IN(5) D422_IN(4) CLK36 D422_IN(3) OUT_CLK D422_IN(2) D422_IN(1) D422_IN(0)
RST_L HD_HV_BLANK_L VSYNC_L HSYNC_L SD_FCB_VD_N SD_FCB_HD_N SD_FCA_HD_N TDO
SD_MONI_OUT(0) SD_MONI_OUT(1) SD_MONI_OUT(2) SD_MONI_OUT(3) SD_MONI_OUT(4) SD_MONI_OUT(5) SD_MONI_OUT(6) SD_MONI_OUT(7) SD_MONI_OUT(8) SD_MONI_OUT(9)
H_WINDOW PLL_FH CHAR_CLK
SD_MAIN_OUT(0) SD_MAIN_OUT(1) SD_MAIN_OUT(2) SD_MAIN_OUT(3) SD_MAIN_OUT(4) SD_MAIN_OUT(5) SD_MAIN_OUT(6) SD_MAIN_OUT(7) SD_MAIN_OUT(8) SD_MAIN_OUT(9)
CLK27 META_DATA(7) META_DATA(6) META_DATA(5) META_DATA(4) META_DATA(3) META_DATA(2) META_DATA(1) META_DATA(0) PKT_EN PKT_INS PKT_DATA(7) PKT_DATA(6) TDI PKT_DATA(5) TMS PKT_DATA(4) TCK PKT_DATA(3) PKT_DATA(2) PKT_DATA(1) PKT_DATA(0)
R859 22/J3 (1) CHAR_DATA
R860 22/J3 (1) CHAR_GATE
(3) SD_CHAR_BUSY
R861 22/J3 (13) SD_FCB_VD_N
R862 22/J3 (13) SD_FCB_HD_N
R863 22/J3 (13) SD_FCA_HD_N
(2) TD_END
(16) SD_MONI_DATA[0-9]
R865–R874 22/J3
TP850 (9) A
(3) SD_MUTE0
(3) SD_MUTE1
R875 22/J3 (12) H_WINDOW
R876 22/J3 (12) PLL_FH
R877 22/J3
TP851
TP852
(16) MAIN_DATA[0-9]
R878–R887 22/J3
IC850 TVHC245FTEL
C853 0.1/UBV
P420_H (3, 12, 13, 16)
NTSC_L (3, 5, 9, 10, 13, 14)
SD_H (13)
SD_FRM (9, 13)
SD_CF0 (13)
SD_CF1 (13)
CLK36_1 (12)
OUT_CLK2 (12, 14)
IC853 M66282FP
IC854 M66282FP
D0 D1 D2 D3 WEB WRESB VCC WCK D4 D5 D6 D7
Q0 Q1 Q2 Q3 REB RRESB GND RCK Q4 Q5 Q6 Q7
R888 100/J3
R889 100/J3
C861 0.1/UBV
C862 0.1/UBV
OUT_CLK5 (12)
OUT_CLK6 (12)
ENC_DATA[0-9] (14)
ENC_DATA_BUS[0-9]
PKT_DATA[0-9]
(14) PKT_DATA[0-7]
(14) PKT_INS
CLK27_4 (2)
TD_SDCHARGEN (10)
TMS2 (2, 8, 10)
TCK2 (2, 8, 10)
R855 68/J3
R856 68/J3
R857 68/J3
META_DATA[0-7] (9)
PKT_EN (14)
META_DATA[0-7]

PAT=PATTERN ONLY
Ref No.3850～ Series.

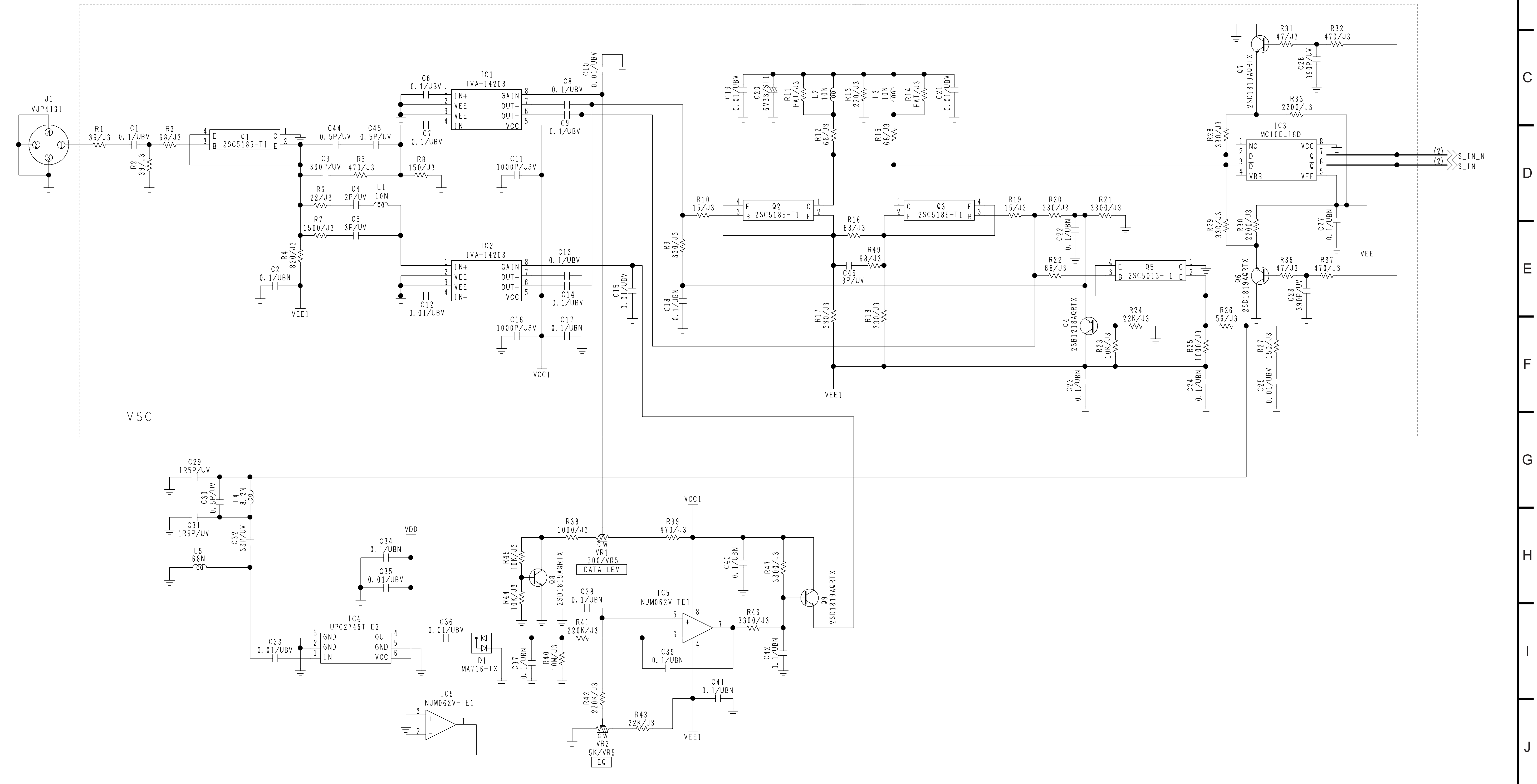
COMPONENT NAME	F5:SDI (SD CHAR GEN)	15/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (15/16)	
	SCM077	


P2S1_LBWC (3)
MAIN_DATA[0-9] (15)
MAIN_DATA[0-9]
OUT_CLK3 (12)
P420_H (3,12,13,15)
P2S2_LBWC (3)
RST_L2 (3,11,13,14,15)
P2S2_EDH_PASS_H (3)
SD_MONI_DATA[0-9] (15)
SD_MONI_DATA[0-9]
OUT_CLK4 (12)
MONI_EDH[0-9]
OUT_CLK8 (12)
IC893
GS9032-CVM
IC892
GS9032-CVM
IC891
GS9021-CFU
+5V1
L891 10U/LC
C902 0.1/UBN
C905 0.1/UBN
C907 10V33/EVV
AGND
C892 0.1/UBN
R959 390/RE7
C913 0.1/UBV
R968 PAT/J3
R969 0/J3
C915 0.1/UBN
R918 100/RE
R919 100/RE
R920 100/RE
R921 100/RE
R922 100/RE
R923 100/RE
R924 100/RE
R925 100/RE
R926 100/RE
R927 100/RE
R938 100/RE
C903 10P/UN
DGND
R965 0/J3
R970 75/RE
R973 75/RE
L894 0.01U/LD
C918 1/UBM
R974 75/RE
J890 VJP4131
OR
S_OUT1
R975 75/RE
L895 0.01U/LD
C919 1/UBM
J891 VJP4131
YE
S_OUT2
D891 LN1251CAL-TR
P2S1_LOCK
R951 820/J3
QR891 UN2214-TX
R954 10K/J3
C910 0.1/UBV
C912 0.1/UBV
R960 PAT/J3
R961 51/RE1
+D5V
R899 0/J3
C89_ 0.1/UBV
C897 3300P/UBV
R912 PAT/J3
R913 0/J3
C891 0.1/UBV
C899 0.1/UBV
R908 0/J3
R909 PAT/J3
R916 0/J3
R917 PAT/J3
C893 0.1/UBV
R903 0/J3
R905 0/J3
R893 0/J3
R895 0/J3
R900 1000/J3
R901 PAT/J3
L890 10U/LC
C900 0.1/UBN
C901 0.1/UBN
C904 10V33/EVV
C894 0.1/UBN
R956 390/RE7
C911 0.1/UBV
R963 PAT/J3
R964 0/J3
C914 0.1/UBN
R939 100/RE
R940 100/RE
R941 100/RE
R942 100/RE
R943 100/RE
R944 100/RE
R945 100/RE
R946 100/RE
R947 100/RE
R948 100/RE
R950 100/RE
C906 10P/UN
R962 0/J3
R966 75/RE
R967 75/RE
L892 0.01U/LD
C916 1/UBM
R971 75/RE
J892 VJP4131
GR
S_OUT3
R972 75/RE
L893 0.01U/LD
C917 1/UBM
R976 75/RE
D890 LN1251CAL-TR
P2S2_LOCK
R949 820/J3
QR890 UN2214-TX
R952 10K/J3
C908 0.1/UBV
C909 0.1/UBV
R957 PAT/J3
R958 51/RE1
SYNC_DIS VEE LF- LF+ LBWC VEE RVCO CBG RVCO+ VEE1 VCC1
PD9 PD8 PD7 PD6 PD5 PD4 PD3 PD2 PD1 PD0 PCLKIN
RESET AUTO/MAN BYPASS RSET1 VEE SDO1 SDO1 VEE SDO0 SDO0 VEE
VEE3 VCC3 COSC SS2 SS1 VCC2 VEE2 SDOENABLE LOCK_DET SSO RSET0
CLIP_TRS FLYWDIS BLANK_EN LSB_TOP BYPASS_EDH VBLANKS/L CRC_MODE VDD GND R/T RESET F2 F1 FL0 H V
DIN9 DIN8 DIN7 DIN6 DIN5 DIN4 DIN3 VDD GND DIN2 DIN1 DIN0 PLCKIN P7 P6 P5
DOUT9 DOUT8 DOUT7 DOUT6 DOUT5 DOUT4 DOUT3 VDD GND DOUT2 DOUT1 DOUT0 FLAG_MAP F_R/W FL4 FL3
SCL/P4 SDA/P3 A2/P2 A1/P1 A0/P0 R/W A/D CS HOSTIF_MODE VDD GND S0 S1 FL0 FL1 FL2
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

PAT=PATTERN ONLY

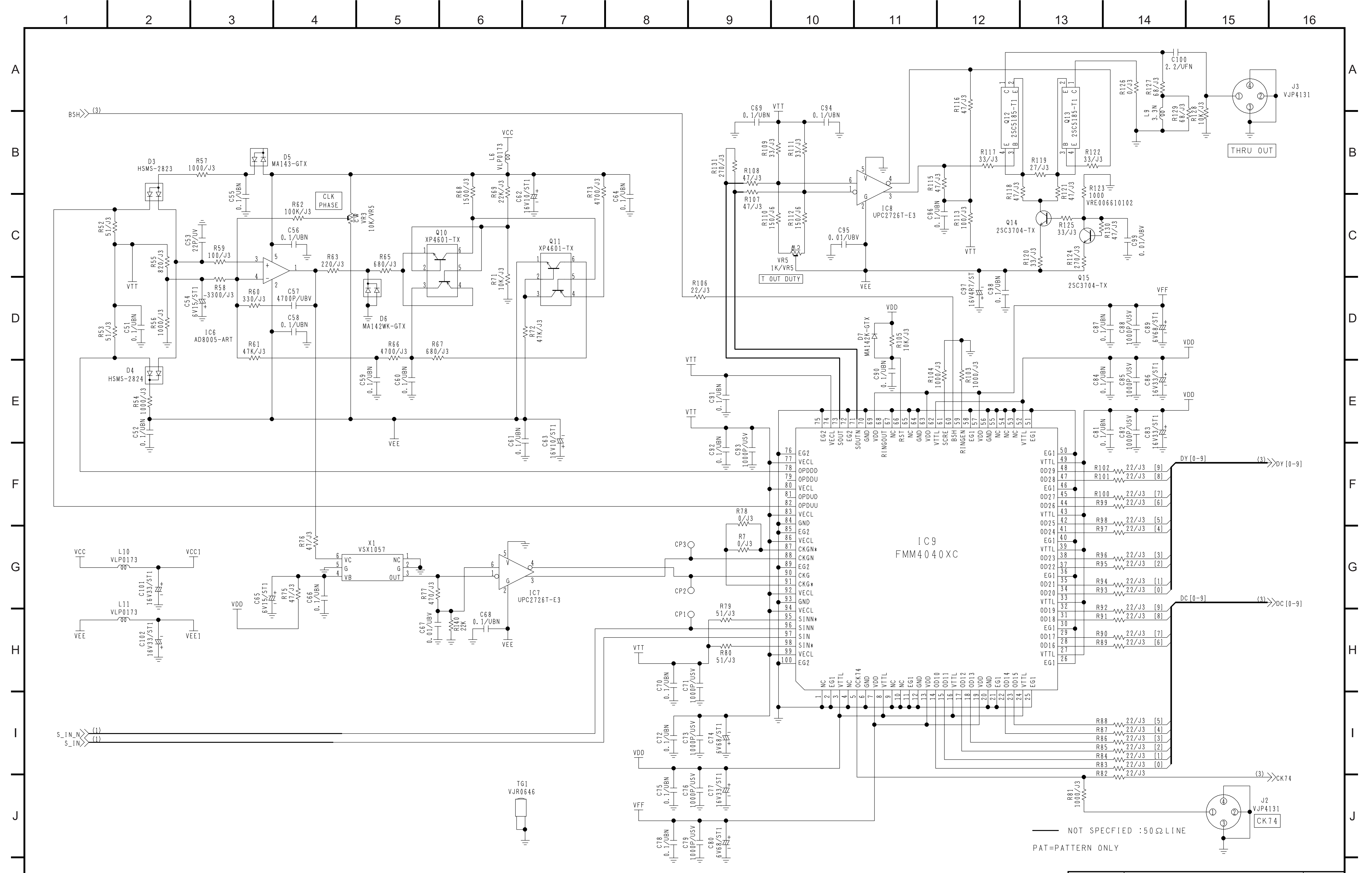
Ref No. 3890～ Series.

COMPONENT NAME	F5:SDI (SD SDI OUT)	16/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83466B	KR3X35 (16/16)	
	SCM078	



VSC
J1
VJP4131
R1
39/J3
C1
0.1/UBV
R2
39/J3
R3
68/J3
Q1
2SC5185-T1
C44
0.5P/UV
C45
0.5P/UV
C3
390P/UV
R5
470/J3
R8
150/J3
R6
22/J3
C4
2P/UV
L1
10N
R7
1500/J3
C5
3P/UV
R4
820/J3
C2
0.1/UBN
VEE1
C6
0.1/UBV
C7
0.1/UBV
IC1
IVA-14208
IN+
VEE
IN-
GAIN
OUT+
OUT-
VCC
C8
0.1/UBV
C9
0.1/UBV
C10
0.01/UBV
C11
1000P/USV
IC2
IVA-14208
C12
0.01/UBV
C13
0.1/UBV
C14
0.1/UBV
C15
0.01/UBV
C16
1000P/USV
C17
0.1/UBN
VCC1
C19
0.01/UBV
C20
6V33/ST1
R11
PAT/J3
L2
10N
R13
220/J3
L3
10N
R14
PAT/J3
C21
0.01/UBV
R12
68/J3
R15
68/J3
R10
15/J3
Q2
2SC5185-T1
Q3
2SC5185-T1
R9
330/J3
C18
0.1/UBN
R16
68/J3
R49
68/J3
C46
3P/UV
R17
330/J3
R18
330/J3
VEE1
R19
15/J3
R20
330/J3
R21
3300/J3
C22
0.1/UBN
R22
68/J3
Q5
2SC5013-T1
Q4
2SB1218AQRTX
R24
22K/J3
R23
10K/J3
C23
0.1/UBN
R25
1000/J3
C24
0.1/UBN
R26
56/J3
R27
150/J3
C25
0.01/UBV
Q7
2SD1819AQRTX
R31
47/J3
R32
470/J3
C26
390P/UV
R33
2200/J3
R28
330/J3
IC3
MC10EL16D
NC
VCC
D
Q
VBB
VEE
(2) S_IN_N
(2) S_IN
R29
330/J3
R30
2200/J3
C27
0.1/UBN
VEE
Q6
2SD1819AQRTX
R36
47/J3
R37
470/J3
C28
390P/UV
C29
1R5P/UV
C30
0.5P/UV
L4
8.2N
C31
1R5P/UV
C32
33P/UV
L5
68N
C33
0.01/UBV
IC4
UPC2746T-E3
GND
IN
OUT
VCC
VDD
C34
0.1/UBN
C35
0.01/UBV
C36
0.01/UBV
D1
MA716-TX
C37
0.1/UBN
R40
10M/J3
R38
1000/J3
VR1
500/VR5
DATA LEV
CW
R45
10K/J3
Q8
2SD1819AQRTX
R44
10K/J3
C38
0.1/UBN
R41
220K/J3
R42
220K/J3
VR2
5K/VR5
EQ
R43
22K/J3
R39
470/J3
VCC1
IC5
NJM062V-TE1
C39
0.1/UBN
C40
0.1/UBN
C41
0.1/UBN
VEE1
R46
3300/J3
R47
3300/J3
C42
0.1/UBN
Q9
2SD1819AQRTX
IC5
NJM062V-TE1

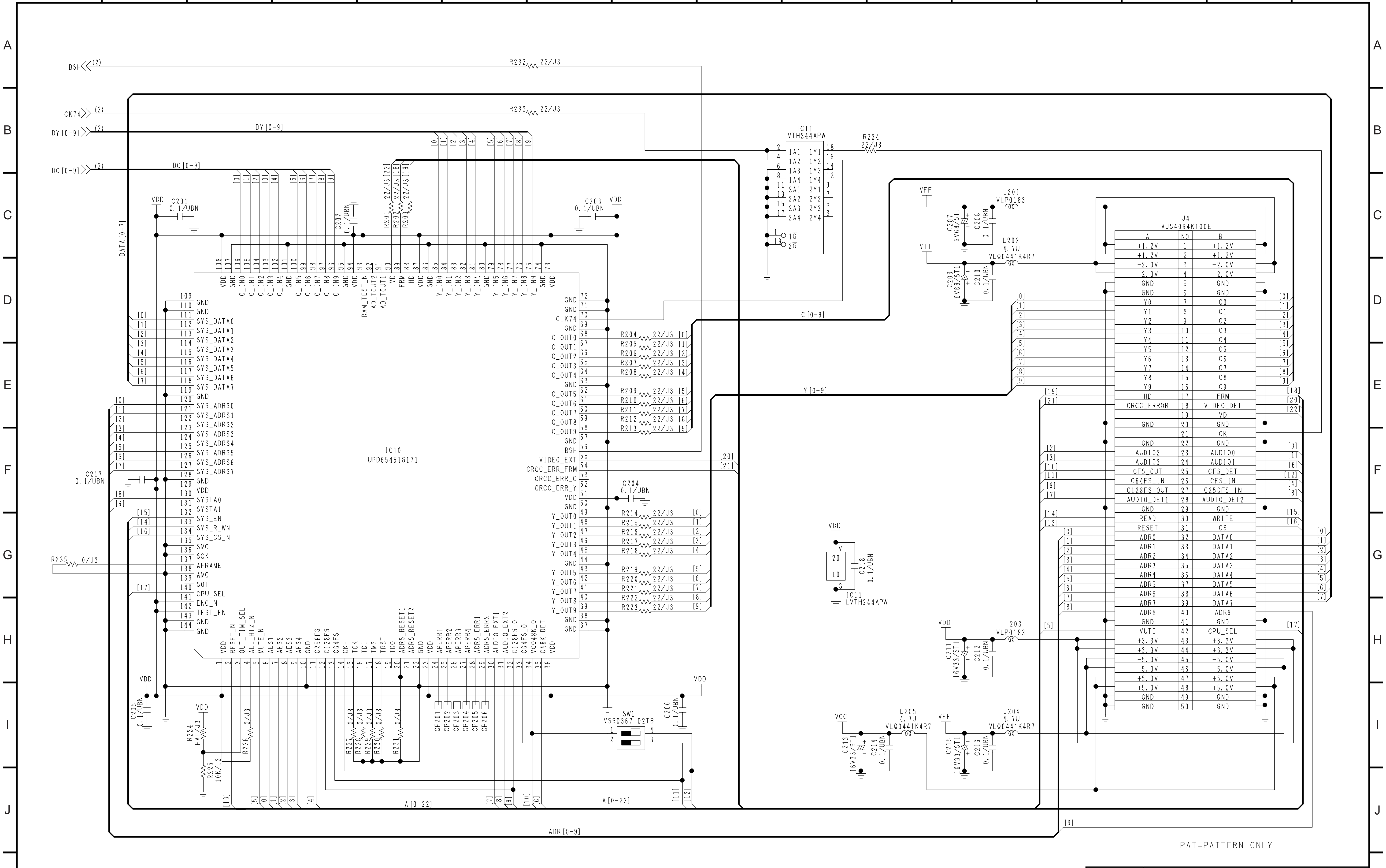
COMPONENT NAME	HD SDI RX (EQ)	01/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83459B		KR3X19 (1/3) -1
		SCM079


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K
BSH (3)
D3 HSMS-2823
R57 1000/J3
D5 MA143-GTX
CLK PHASE
VR3 10K/VR5
R62 100K/J3
C56 0.1/UBN
R63 220/J3
R65 680/J3
Q10 XP4601-TX
Q11 XP4601-TX
L6 VLP0173
VCC
R68 1500/J3
R69 22K/J3
C62 16V10/ST1
R73 4700/J3
C64 0.1/UBN
IC6 AD8005-ART
R52 51/J3
R53 51/J3
R55 820/J3
R56 1000/J3
C51 0.1/UBN
C53 22P/UV
R59 100/J3
R58 3300/J3
C54 6V15/ST1
R60 330/J3
C57 4700P/UBV
C58 0.1/UBN
R61 47K/J3
R66 4700/J3
R67 680/J3
D6 MA142WK-GTX
R71 10K/J3
R72 47K/J3
D4 HSMS-2824
R54 1000/J3
C52 0.1/UBN
C59 0.1/UBN
C60 0.1/UBN
C61 0.1/UBN
C63 16V10/ST1
VTT
VEE
L10 VLP0173
VCC1
C101 16V33/ST1
L11 VLP0173
VEE1
C102 16V33/ST1
X1 VSX1057
R76 47/J3
C65 6V15/ST1
R75 47/J3
C66 0.1/UBN
VDD
IC7 UPC2726T-E3
R77 470/J3
R140 22K
C67 0.01/UBV
C68 0.1/UBN
S_IN_N (1)
S_IN (1)
TG1 VJR0646
C69 0.1/UBN
C94 0.1/UBN
R109 33/J3
R111 33/J3
R131 270/J3
R108 47/J3
R107 47/J3
R110 150/J6
R112 150/J6
VR5 1K/VR5
T OUT DUTY
C95 0.01/UBV
IC8 UPC2726T-E3
R116 47/J3
Q12 2SC5185-T1
Q13 2SC5185-T1
R117 33/J3
R119 27/J3
R122 33/J3
R115 47/J3
R113 100/J3
C96 0.1/UBN
R118 47/J3
R121 47/J3
R123 1000 VRE006610102
Q14 2SC3704-TX
R125 33/J3
R130 47/J3
C99 0.01/UBV
R120 33/J3
R124 270/J3
Q15 2SC3704-TX
C97 16V4R7/ST
C98 0.1/UBN
C100 2.2/UFN
R126 0/J3
R127 68/J3
L9 3.3N
R129 68/J3
R128 10K/J3
J3 VJP4131
THRU OUT
R106 22/J3
D7 MA142K-GTX
R105 10K/J3
C90 0.1/UBN
R104 1000/J3
R103 1000/J3
VFF
C87 0.1/UBN
C88 1000P/USV
C89 6V68/ST1
C84 0.1/UBN
C85 1000P/USV
C86 16V33/ST1
C81 0.1/UBN
C82 1000P/USV
C83 16V33/ST1
C91 0.1/UBN
C92 0.1/UBN
C93 1000P/USV
IC9 FMM4040XC
R78 0/J3
R7 0/J3
CP3
CP2
CP1
R79 51/J3
R80 51/J3
C70 0.1/UBN
C71 1000P/USV
C72 0.1/UBN
C73 1000P/USV
C74 6V68/ST1
C75 0.1/UBN
C76 1000P/USV
C77 16V33/ST1
C78 0.1/UBN
C79 1000P/USV
C80 6V68/ST1
DY[0-9]
(3) DY[0-9]
DC[0-9]
(3) DC[0-9]
R102 R101 R100 R99 R98 R97 R96 R95 R94 R93 22/J3
R92 R91 R90 R89 22/J3
R88 R87 R86 R85 R84 R83 22/J3
R82 22/J3
(3) CK74
R81 1000/J3
J2 VJP4131
CK74

NOT SPECFIED :50Ω LINE

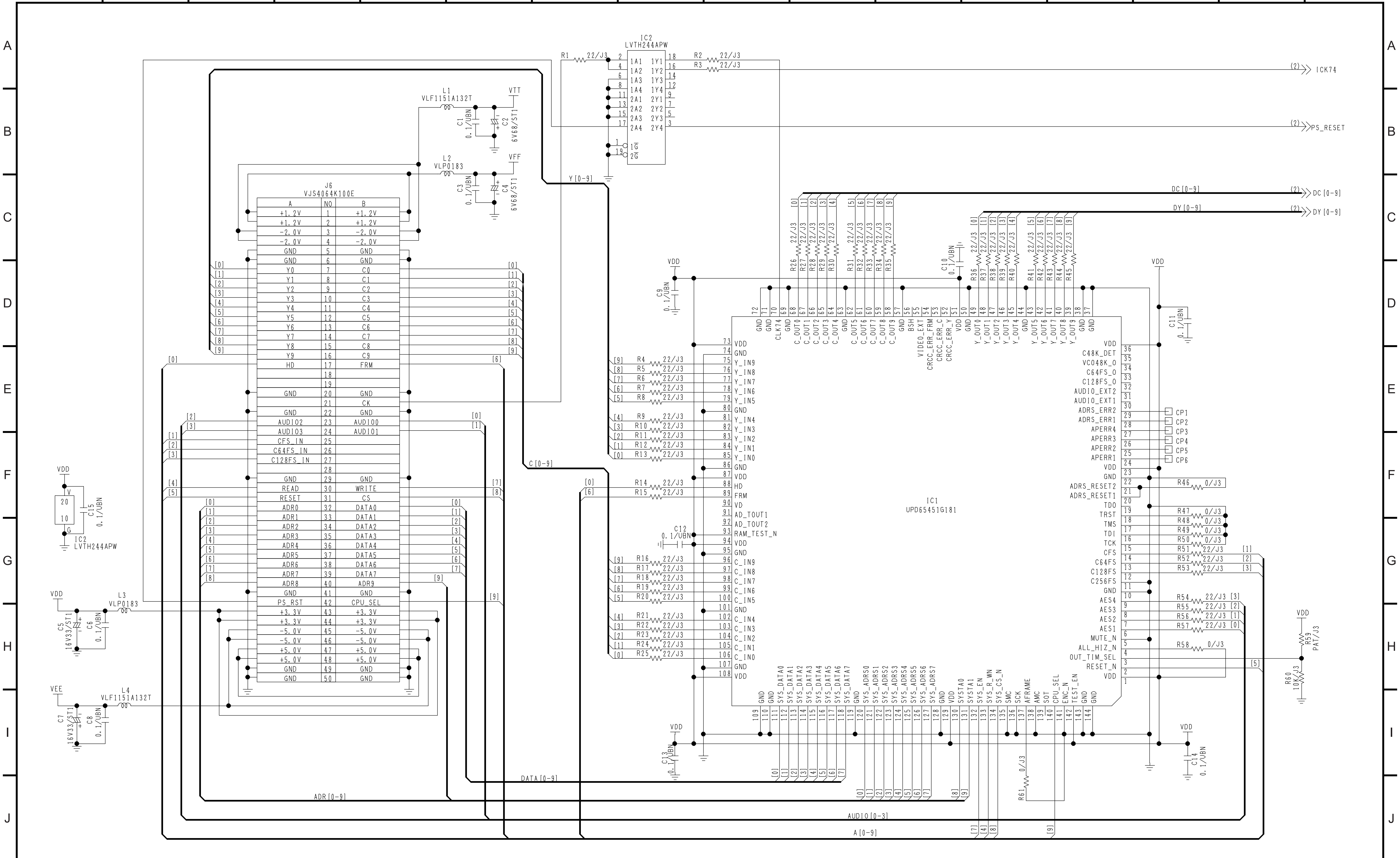
PAT=PATTERN ONLY

COMPONENT NAME	HD SDI RX (CKR, S/P)	02/03
CIRCUIT BOARD NO.		DRAWING NO.
VEP83459B		KR3X19 (2/3) - 2
		SCM080


IC10
UPD65451G171
IC11
LVTH244APW
J4
VJS4064K100E
SW1
VSS0367-02TB
BSH
CK74
DY[0-9]
DC[0-9]
DATA[0-7]
C[0-9]
Y[0-9]
A[0-22]
ADR[0-9]
VDD
VFF
VTT
VCC
VEE
L201 VLP0183
L202 4.7U VLQ0441K4R7
L203 VLP0183
L204 4.7U VLQ0441K4R7
L205 4.7U VLQ0441K4R7
R232 22/J3
R233 22/J3
R234 22/J3
R235 0/J3
R224 PAT/J3
R225 10K/J3
C201 0.1/UBN
C203 0.1/UBN
C204 0.1/UBN
C205 0.1/UBN
C206 0.1/UBN
C217 0.1/UBN
C218 0.1/UBN
CP201
CP202
CP203
CP204
CP205
CP206

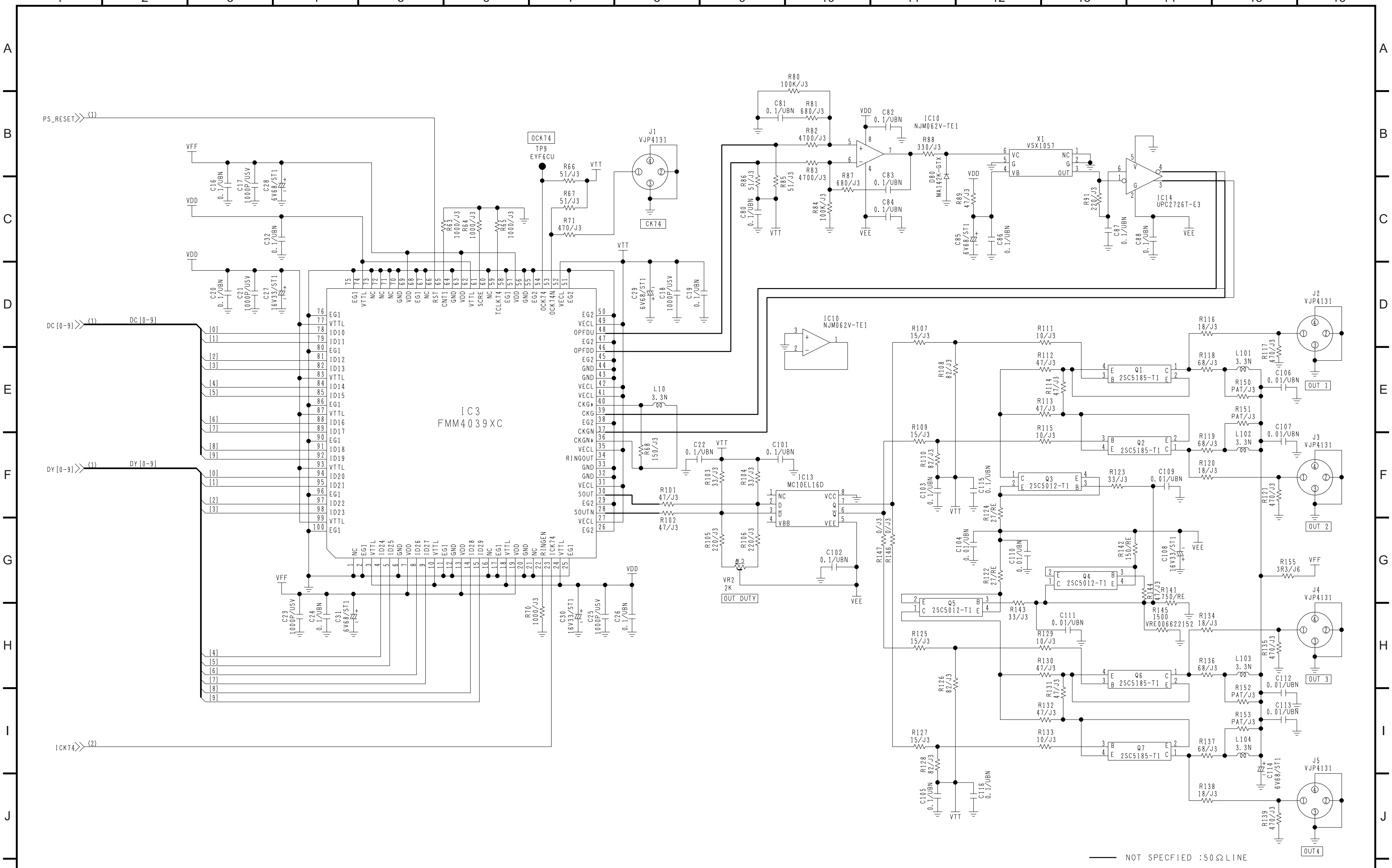
PAT=PATTERN ONLY

COMPONENT NAME	HD SDI RX (DEC)	03/03
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83459B	KR3X19 (3/3) - 3	
	SCM081	

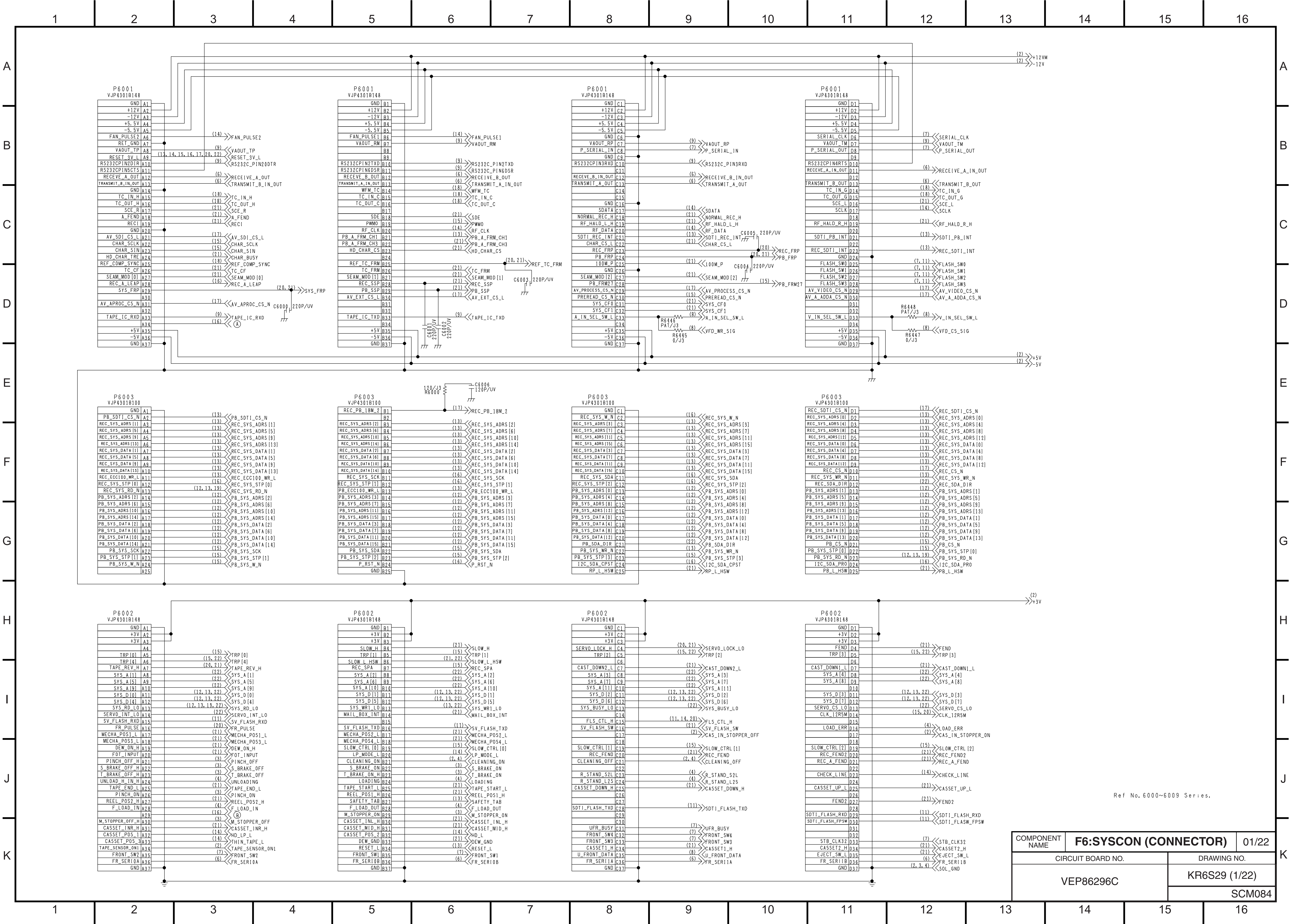

IC2
LVTH244APW
R1 22/J3
R2 22/J3
R3 22/J3
ICK74
PS_RESET
L1 VLF1151A132T
VTT
C1 0.1/UBN
C2 6V68/ST1
L2 VLP0183
VFF
C3 0.1/UBN
C4 6V68/ST1
J6
VJS4064K100E
Y[0-9]
C[0-9]
DC[0-9]
DY[0-9]
VDD
C9 0.1/UBN
C10 0.1/UBN
C11 0.1/UBN
C12 0.1/UBN
C13 0.1/UBN
C14 0.1/UBN
IC1
UPD65451G181
CP1
CP2
CP3
CP4
CP5
CP6
R46 0/J3
R47 0/J3
R48 0/J3
R49 0/J3
R50 0/J3
R58 0/J3
R59 PAT/J3
R60 10K/J3
R61 0/J3
C15 0.1/UBN
IC2 LVTH244APW
VDD
L3 VLP0183
C5 16V33/ST1
C6 0.1/UBN
VEE
L4 VLF1151A132T
C7 16V33/ST1
C8 0.1/UBN
DATA[0-9]
ADR[0-9]
AUDIO[0-3]
A[0-9]

NOT SPECFIED :50Ω LINE
PAT=PATTERN ONLY
Ref No.**** Series.

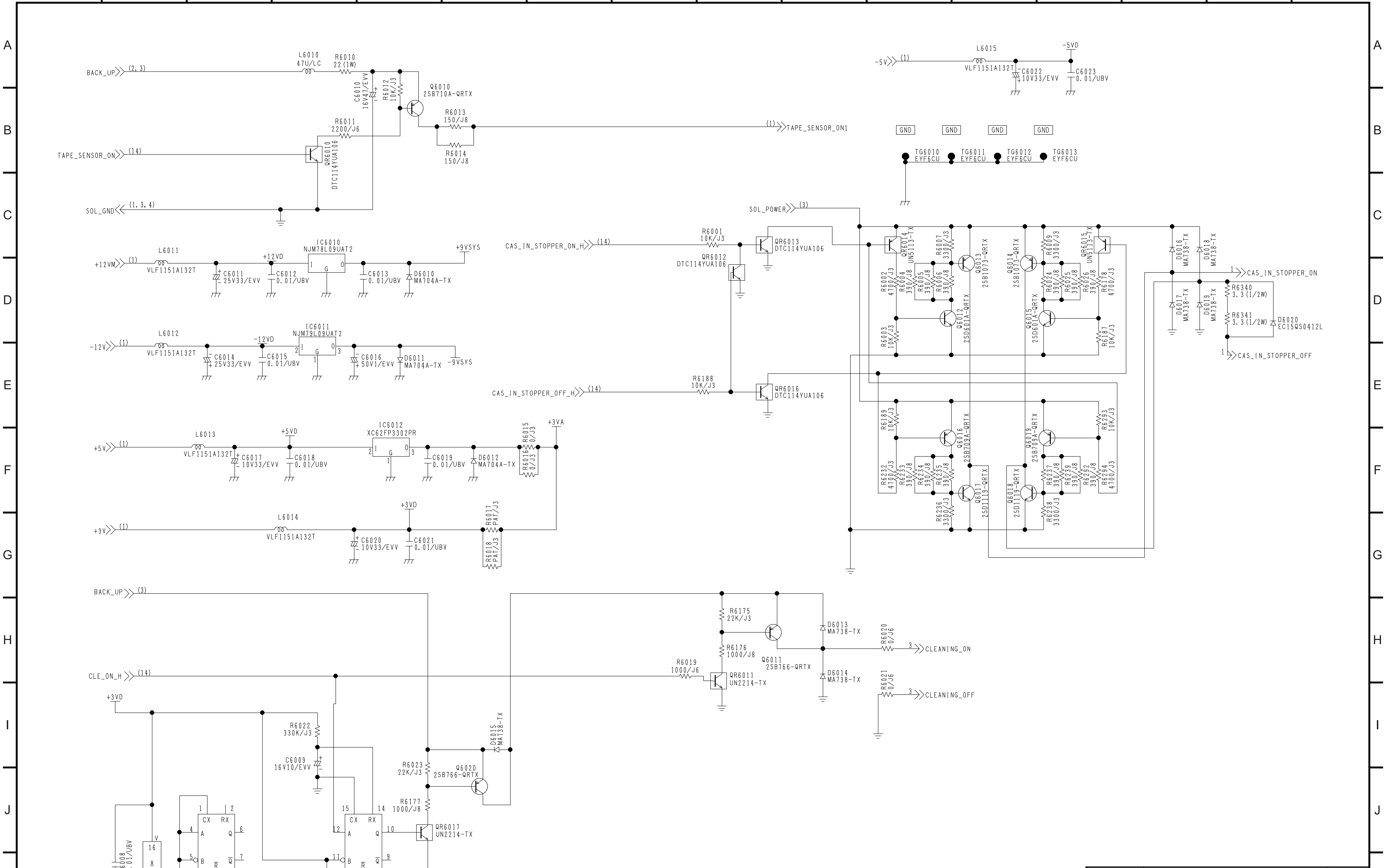
COMPONENT NAME	HD SDI TX (ENC)	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83460B	KR3X20 (1/2) -1	
	SCM082	


PS_RESET (1)
DC[0-9] (1)
DY[0-9] (1)
ICK74 (2)
IC3
FMM4039XC
IC10
NJM062V-TE1
IC13
MC10EL16D
IC14
UPC2726T-E3
X1
VSX1057
TP9
EYF6CU
OCK74
CK74
J1
VJP4131
J2
VJP4131
J3
VJP4131
J4
VJP4131
J5
VJP4131
OUT 1
OUT 2
OUT 3
OUT4
OUT DUTY
VR2
2K
D80
MA142K-GTX
Q1 2SC5185-T1
Q2 2SC5185-T1
Q3 2SC5012-T1
Q4 2SC5012-T1
Q5 2SC5012-T1
Q6 2SC5185-T1
Q7 2SC5185-T1
L10 3.3N
L101 3.3N
L102 3.3N
L103 3.3N
L104 3.3N
R145 1500 VRE006622152
VDD
VTT
VEE
VFF
NOT SPECFIED :50Ω LINE

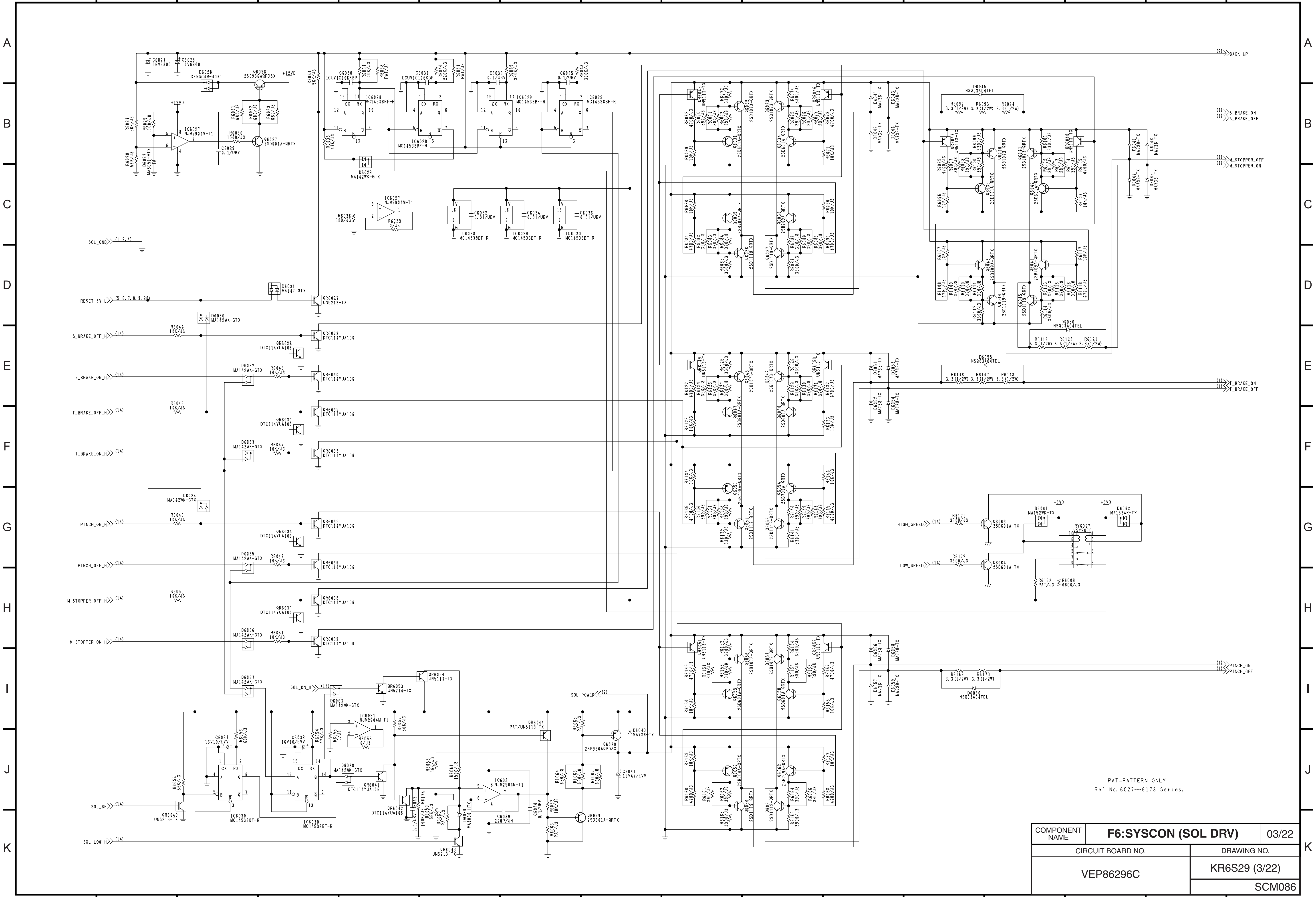
COMPONENT NAME	HD SDI TX (P/S, DRV)	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP83460B		KR3X20 (2/2) - 2
		SCM083


P6001
VJP4301B148
P6003
VJP4301B100
P6002
VJP4301B148
+12VM
-12V
+5V
-5V
+3V
C6000 220P/UV
C6001 220P/UV
C6002 220P/UV
C6003 220P/UV
C6004 220P/UV
C6005 220P/UV
C6006 120P/UV
R6000 120/J3
R6444 PAT/J3
R6445 0/J3
R6446 PAT/J3
R6447 0/J3
SYS_FRP
REF_TC_FRM
REC_FRP
PB_FRP
PB_FRM27
REC_PB_18M_2
V_IN_SEL_SW_L
VFD_CS_SIG
Ref No. 6000~6009 Series.

COMPONENT NAME	F6:SYSCON (CONNECTOR)	01/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (1/22)	
	SCM084	

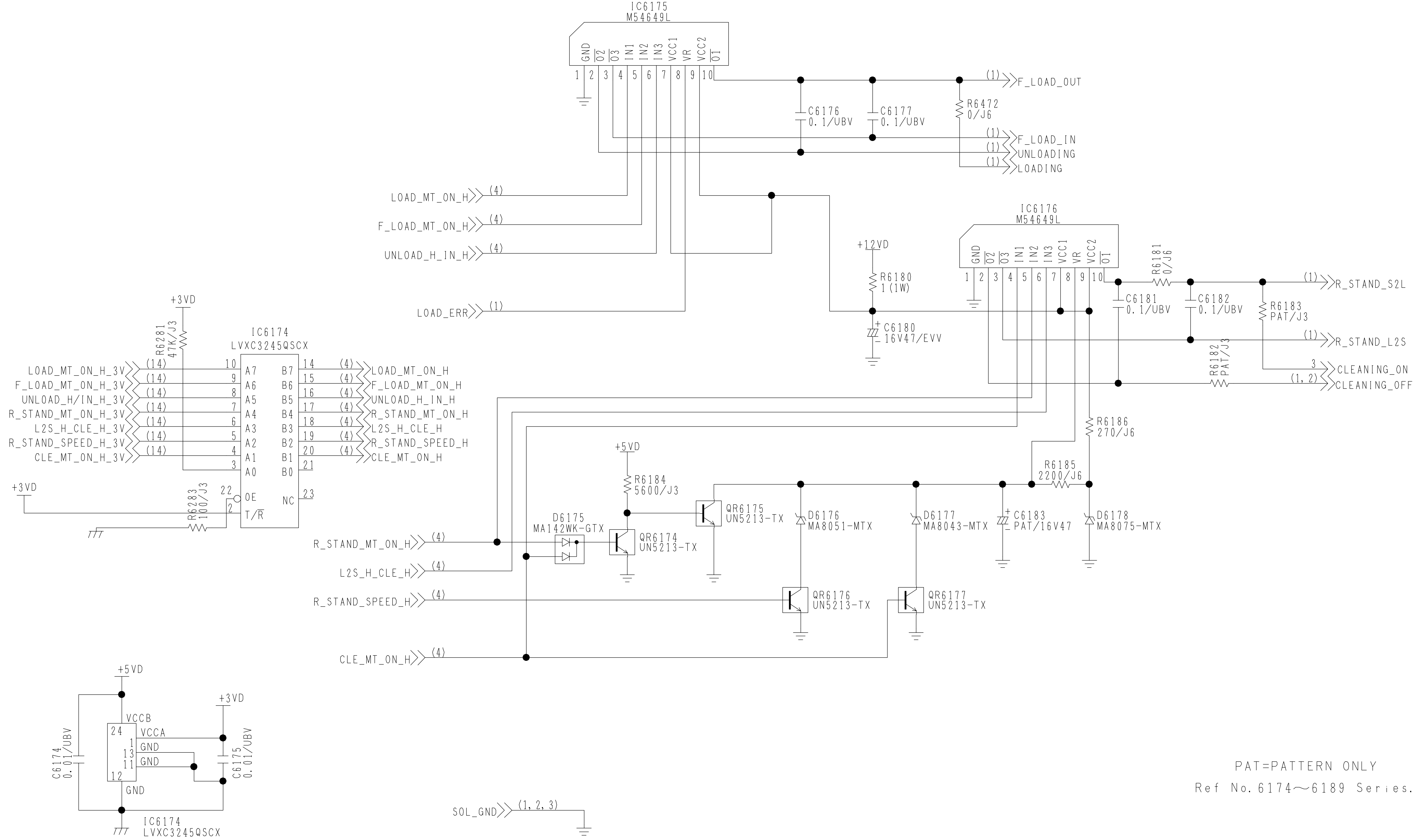

BACK_UP
(2, 3)
L6010
47U/LC
R6010
22 (1W)
C6010
16V47/EVV
R6012
10K/J3
Q6010
2SB710A-QRTX
R6011
2200/J6
R6013
150/J8
R6014
150/J8
(1)
TAPE_SENSOR_ON1
TAPE_SENSOR_ON
(14)
QR6010
DTC114YUA106
SOL_GND
(1, 3, 4)
-5V
(1)
L6015
VLF1151A132T
-5VD
C6022
10V33/EVV
C6023
0.01/UBV
GND
GND
GND
GND
TG6010
EYF6CU
TG6011
EYF6CU
TG6012
EYF6CU
TG6013
EYF6CU
+12VM
L6011
VLF1151A132T
C6011
25V33/EVV
+12VD
C6012
0.01/UBV
IC6010
NJM78L09UAT2
C6013
0.01/UBV
D6010
MA704A-TX
+9VSYS
-12V
L6012
VLF1151A132T
C6014
25V33/EVV
-12VD
C6015
0.01/UBV
IC6011
NJM79L09UAT2
C6016
50V1/EVV
D6011
MA704A-TX
-9VSYS
+5V
L6013
VLF1151A132T
C6017
10V33/EVV
+5VD
C6018
0.01/UBV
IC6012
XC62FP3302PR
C6019
0.01/UBV
D6012
MA704A-TX
R6015
0/J3
R6016
0/J3
+3VA
+3V
L6014
VLF1151A132T
C6020
10V33/EVV
+3VD
C6021
0.01/UBV
R6017
PA1/J3
R6018
PA1/J3
SOL_POWER
(3)
CAS_IN_STOPPER_ON_H
(14)
R6001
10K/J3
QR6012
DTC114YUA106
QR6013
DTC114YUA106
QR6014
UN5113-TX
R6002
4700/J3
R6003
10K/J3
R6004
390/J8
R6005
390/J8
R6006
390/J8
R6007
3300/J3
Q6012
2SD601A-QRTX
Q6013
2SB1073-QRTX
Q6014
2SB1073-QRTX
Q6015
2SD601A-QRTX
R6009
3300/J3
R6024
390/J8
R6025
390/J8
R6026
390/J8
QR6015
UN5113-TX
R6178
4700/J3
R6187
10K/J3
D6016
MA738-TX
D6017
MA738-TX
D6018
MA738-TX
D6019
MA738-TX
CAS_IN_STOPPER_ON
R6340
3.3 (1/2W)
R6341
3.3 (1/2W)
D6020
EC15QS0412L
CAS_IN_STOPPER_OFF
CAS_IN_STOPPER_OFF_H
R6188
10K/J3
QR6016
DTC114YUA106
R6189
10K/J3
Q6016
2SB709A-QRTX
Q6019
2SB709A-QRTX
R6293
10K/J3
R6232
4700/J3
R6233
390/J8
R6234
390/J8
R6235
390/J8
Q6017
2SD1119-QRTX
Q6018
2SD1119-QRTX
R6236
3300/J3
R6238
3300/J3
R6237
390/J8
R6239
390/J8
R6292
390/J8
R6294
4700/J3
BACK_UP
(3)
R6175
22K/J3
R6176
1000/J8
Q6011
2SB766-QRTX
D6013
MA738-TX
D6014
MA738-TX
R6020
0/J6
CLEANING_ON
R6021
0/J6
CLEANING_OFF
CLE_ON_H
(14)
R6019
1000/J6
QR6011
UN2214-TX
+3VD
R6022
330K/J3
C6009
16V10/EVV
D6015
MA738-TX
R6023
22K/J3
Q6020
2SB766-QRTX
R6177
1000/J8
QR6017
UN2214-TX
C6008
0.01/UBV
IC6013
MC14538BF-R
IC6013
MC14538BF-R
IC6013
MC14538BF-R
CX
RX
A
B
Q
R
V
G
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

COMPONENT NAME	F6:SYSCON (MECHA I/F)	02/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (2/22)	
	SCM085	


BACK_UP
S_BRAKE_ON
S_BRAKE_OFF
M_STOPPER_OFF
M_STOPPER_ON
T_BRAKE_ON
T_BRAKE_OFF
PINCH_ON
PINCH_OFF
SOL_GND
RESET_5V_L
S_BRAKE_OFF_H
S_BRAKE_ON_H
T_BRAKE_OFF_H
T_BRAKE_ON_H
PINCH_ON_H
PINCH_OFF_H
M_STOPPER_OFF_H
M_STOPPER_ON_H
SOL_ON_H
SOL_POWER
SOL_SF
SOL_LOW_H
HIGH_SPEED
LOW_SPEED
+12VD
+5VD
IC6027 NJM2904M-T1
IC6028 MC14538BF-R
IC6029 MC14538BF-R
IC6030 MC14538BF-R
IC6031 NJM2904M-T1
RY6027 VSY2010

PAT=PATTERN ONLY
Ref No. 6027～6173 Series.

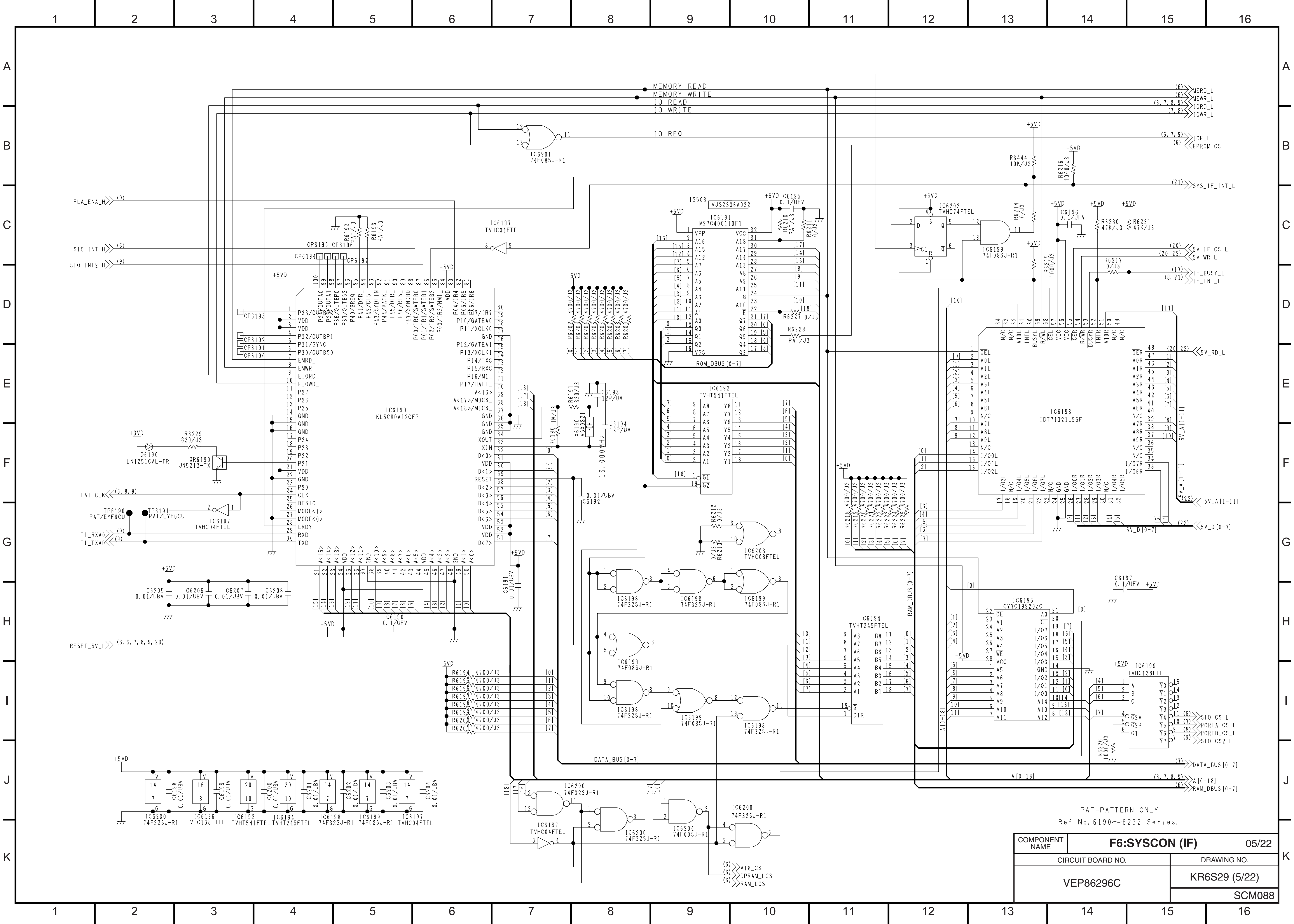
COMPONENT NAME	F6:SYSCON (SOL DRV)	03/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (3/22)	
	SCM086	


IC6175
M54649L
GND
O2
O3
IN1
IN2
IN3
VCC1
VR
VCC2
O1
1 2 3 4 5 6 7 8 9 10
C6176
0.1/UBV
C6177
0.1/UBV
R6472
0/J6
(1) F_LOAD_OUT
(1) F_LOAD_IN
(1) UNLOADING
(1) LOADING
LOAD_MT_ON_H (4)
F_LOAD_MT_ON_H (4)
UNLOAD_H_IN_H (4)
LOAD_ERR (1)
+12VD
R6180
1(1W)
C6180
16V47/EVV
IC6176
M54649L
GND
O2
O3
IN1
IN2
IN3
VCC1
VR
VCC2
O1
1 2 3 4 5 6 7 8 9 10
R6181
0/J6
C6181
0.1/UBV
C6182
0.1/UBV
R6183
PAT/J3
(1) R_STAND_S2L
(1) R_STAND_L2S
3 CLEANING_ON
(1,2) CLEANING_OFF
R6182
PAT/J3
+3VD
R6281
47K/J3
IC6174
LVXC3245QSCX
LOAD_MT_ON_H_3V (14) 10 A7
F_LOAD_MT_ON_H_3V (14) 9 A6
UNLOAD_H/IN_H_3V (14) 8 A5
R_STAND_MT_ON_H_3V (14) 7 A4
L2S_H_CLE_H_3V (14) 6 A3
R_STAND_SPEED_H_3V (14) 5 A2
CLE_MT_ON_H_3V (14) 4 A1
3 A0
B7 14 (4) LOAD_MT_ON_H
B6 15 (4) F_LOAD_MT_ON_H
B5 16 (4) UNLOAD_H_IN_H
B4 17 (4) R_STAND_MT_ON_H
B3 18 (4) L2S_H_CLE_H
B2 19 (4) R_STAND_SPEED_H
B1 20 (4) CLE_MT_ON_H
B0 21
NC 23
+3VD
22 OE
2 T/R
R6283
100/J3
R6186
270/J6
+5VD
R6184
5600/J3
R6185
2200/J6
QR6175
UN5213-TX
D6176
MA8051-MTX
D6177
MA8043-MTX
C6183
PAT/16V47
D6178
MA8075-MTX
D6175
MA142WK-GTX
QR6174
UN5213-TX
R_STAND_MT_ON_H (4)
L2S_H_CLE_H (4)
R_STAND_SPEED_H (4)
CLE_MT_ON_H (4)
QR6176
UN5213-TX
QR6177
UN5213-TX
+5VD
+3VD
VCCB
24
VCCA
1
GND
13
GND
11
12
GND
C6174
0.01/UBV
C6175
0.01/UBV
IC6174
LVXC3245QSCX
SOL_GND (1,2,3)

PAT=PATTERN ONLY

Ref No. 6174～6189 Series.

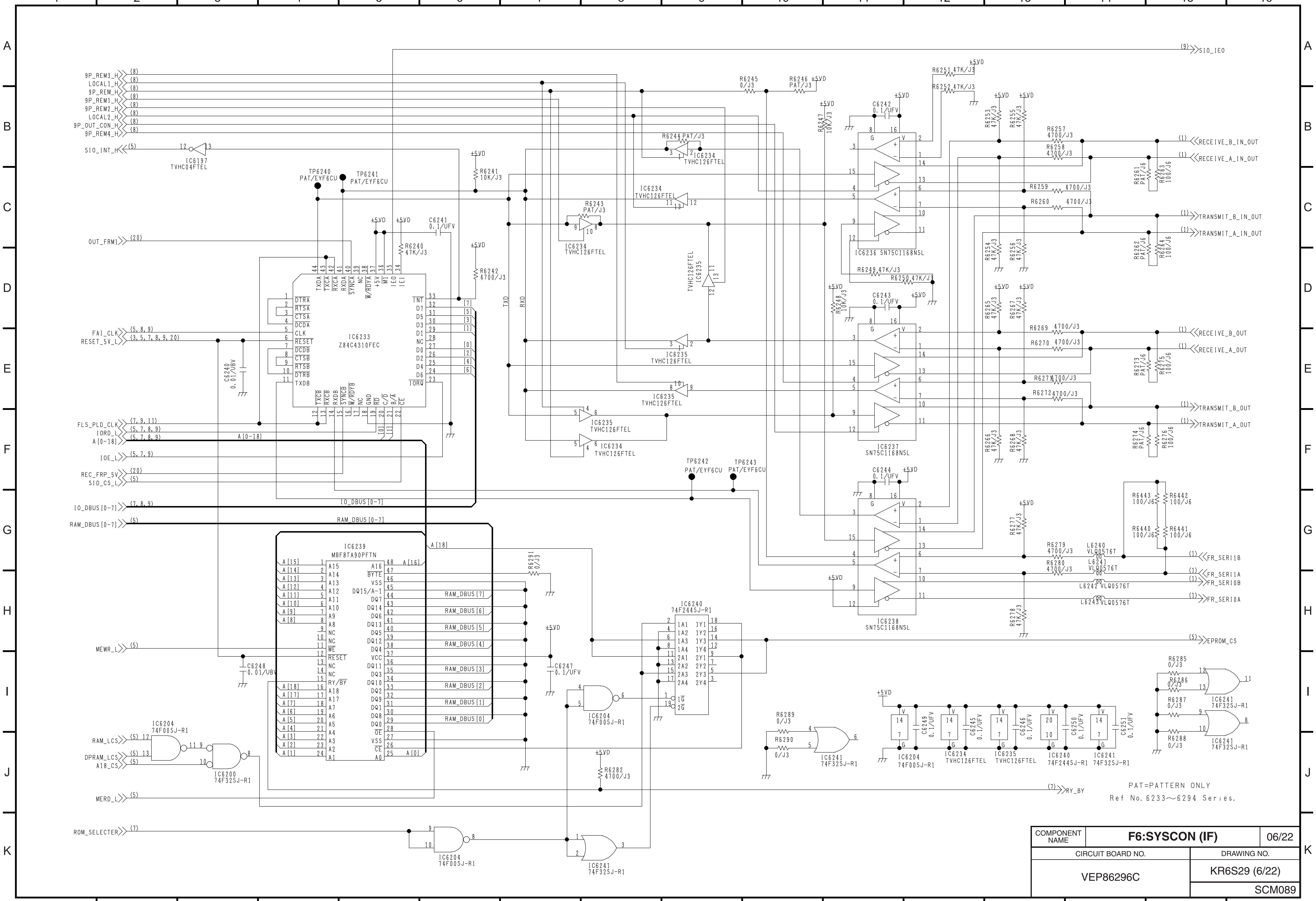
COMPONENT NAME	F6:SYSCON (SYSCON)	04/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (4/22)	
	SCM087	


MEMORY READ
MEMORY WRITE
IO READ
IO WRITE
IO REQ
MERD_L
MEWR_L
IORD_L
IOWR_L
IOE_L
EPROM_CS
SYS_IF_INT_L
5V_IF_CS_L
5V_WR_L
IF_BUSY_L
IF_INT_L
5V_RD_L
5V_A[1-11]
5V_D[0-7]
FLA_ENA_H
SIO_INT_H
SIO_INT2_H
FAI_CLK
TI_RXAO
TI_TXAO
RESET_5V_L
IC6201 74F08SJ-R1
IC6197 TVHC04FTEL
IC6190 KL5C80A12CFP
IC6191 M27C400110F1
IS503 VJS2336A032
IC6192 TVHT541FTEL
IC6193 IDT71321L55F
IC6202 TVHC74FTEL
IC6199 74F08SJ-R1
IC6203 TVHC08FTEL
IC6198 74F32SJ-R1
IC6194 TVHT245FTEL
IC6195 CY7C199Z0ZC
IC6196 TVHC138FTEL
IC6200 74F32SJ-R1
IC6204 74F00SJ-R1
X6190 VSX0821 16.000MHz
D6190 LN1251CAL-TR
QR6190 UN5213-TX
TP6190 PAT/EYF6CU
TP6191 PAT/EYF6CU
ROM_DBUS[0-7]
RAM_DBUS[0-7]
DATA_BUS[0-7]
A[0-18]
SIO_CS_L
PORTA_CS_L
PORTB_CS_L
SIO_CS2_L
A18_CS
DPRAM_LCS
RAM_LCS
+5VD
+3VD

PAT=PATTERN ONLY

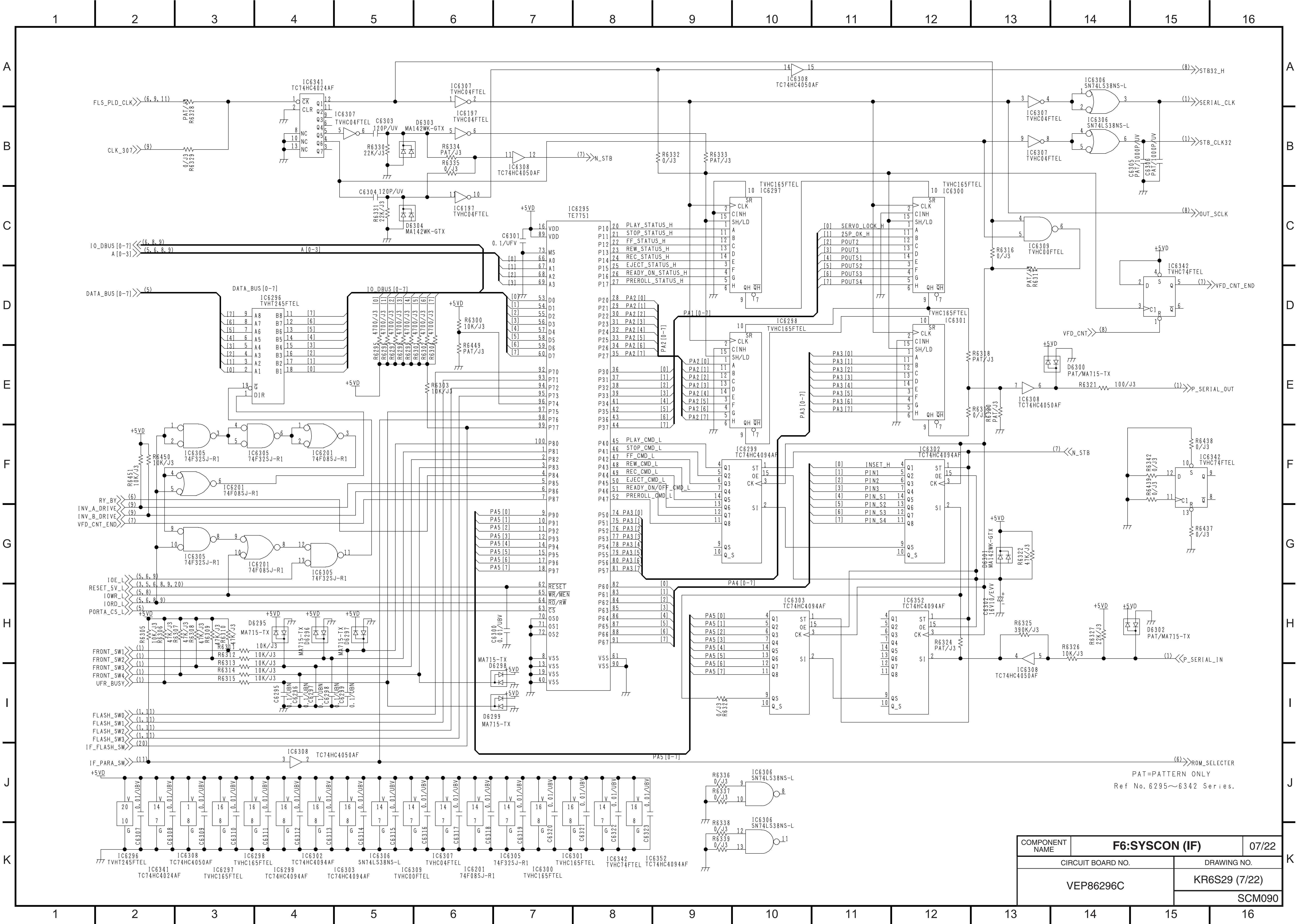
Ref No. 6190～6232 Series.

COMPONENT NAME	F6:SYSCON (IF)	05/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (5/22)
		SCM088

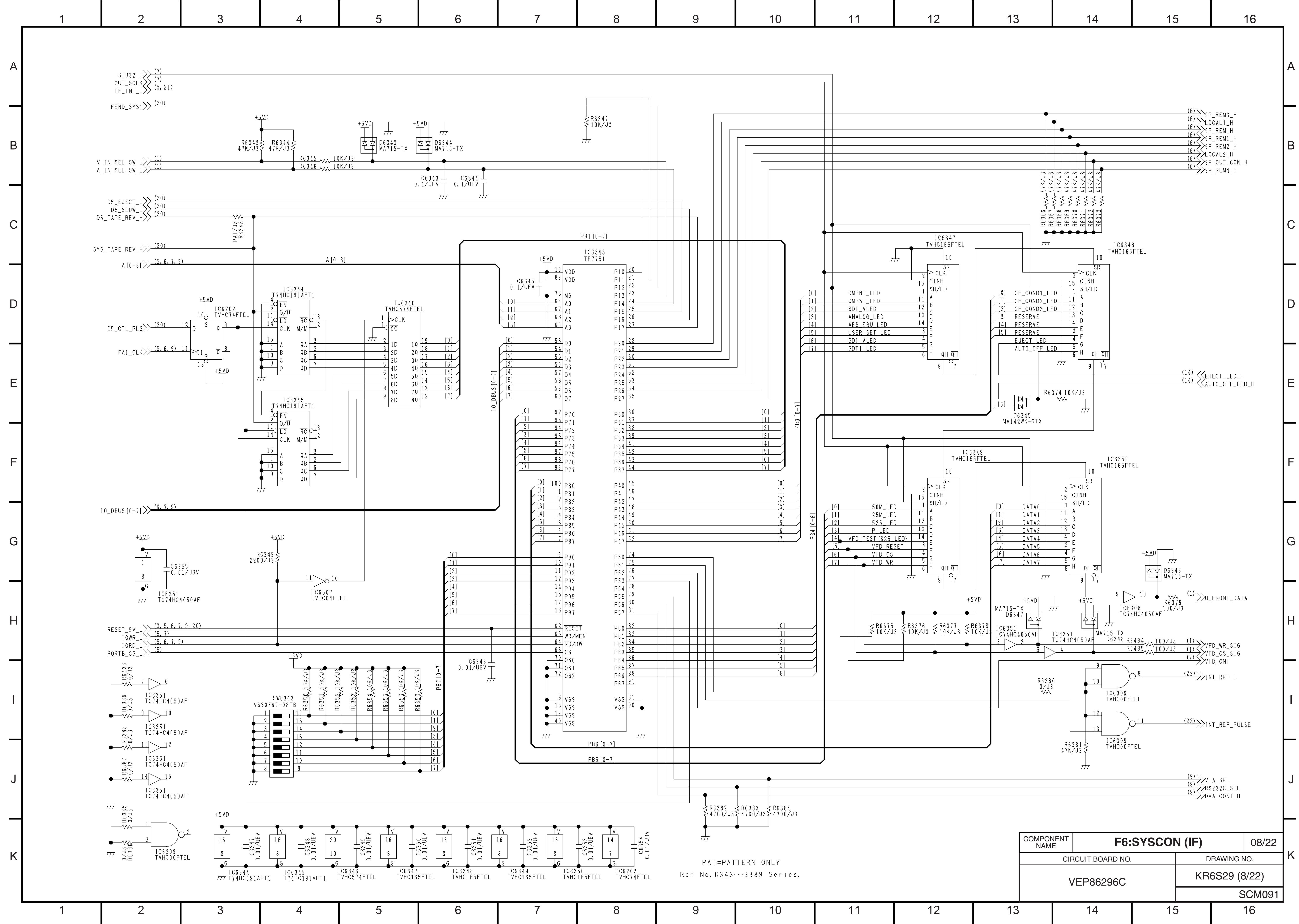

9P_REM3_H
LOCAL1_H
9P_REM_H
9P_REM1_H
9P_REM2_H
LOCAL2_H
9P_OUT_CON_H
9P_REM4_H
SIO_INT_H
IC6197
TVHC04FTEL
TP6240
PAT/EYF6CU
TP6241
PAT/EYF6CU
OUT_FRM1
FAI_CLK
RESET_5V_L
C6240
0.01/UBV
IC6233
Z84C4310FEC
R6241
10K/J3
R6240
47K/J3
R6242
4700/J3
C6241
0.1/UFV
FLS_PLD_CLK
IORD_L
A[0-18]
IOE_L
REC_FRP_5V
SIO_CS_L
IO_DBUS[0-7]
RAM_DBUS[0-7]
IC6239
MBF8TA90PFTN
R6291
0/J3
MEWR_L
C6248
0.01/UBV
C6247
0.1/UFV
RAM_LCS
DPRAM_LCS
A18_CS
IC6204
74F00SJ-R1
IC6200
74F32SJ-R1
MERD_L
ROM_SELECTER
IC6241
74F32SJ-R1
IC6240
74F244SJ-R1
R6282
4700/J3
RY_BY
EPROM_CS
R6243
PAT/J3
R6244 PAT/J3
IC6234
TVHC126FTEL
IC6235
TVHC126FTEL
TXD
RXD
TP6242
PAT/EYF6CU
TP6243
PAT/EYF6CU
R6245
0/J3
R6246
PAT/J3
R6247
10K/J3
R6248
10K/J3
R6249 47K/J3
R6250 47K/J3
R6251 47K/J3
R6252 47K/J3
C6242
0.1/UFV
C6243
0.1/UFV
C6244
0.1/UFV
IC6236 SN75C1168NSL
IC6237
SN75C1168NSL
IC6238
SN75C1168NSL
R6253 47K/J3
R6254 47K/J3
R6255 47K/J3
R6256 47K/J3
R6257 4700/J3
R6258 4700/J3
R6259 4700/J3
R6260 4700/J3
R6261 PAT/J6
R6262 PAT/J6
R6263 100/J6
R6264 100/J6
R6265 47K/J3
R6266 47K/J3
R6267 47K/J3
R6268 47K/J3
R6269 4700/J3
R6270 4700/J3
R6271 4700/J3
R6272 4700/J3
R6273 PAT/J6
R6274 PAT/J6
R6275 100/J6
R6276 100/J6
RECEIVE_B_IN_OUT
RECEIVE_A_IN_OUT
TRANSMIT_B_IN_OUT
TRANSMIT_A_IN_OUT
RECEIVE_B_OUT
RECEIVE_A_OUT
TRANSMIT_B_OUT
TRANSMIT_A_OUT
SIO_IEO
R6443 100/J6
R6442 100/J6
R6440 100/J6
R6441 100/J6
R6277 47K/J3
R6278 47K/J3
R6279 4700/J3
R6280 4700/J3
L6240 VLQ0576T
L6241 VLQ0576T
L6242 VLQ0576T
L6243 VLQ0576T
FR_SERI1B
FR_SERI1A
FR_SERI0B
FR_SERI0A
R6285 0/J3
R6286 0/J3
R6287 0/J3
R6288 0/J3
R6289 0/J3
R6290 0/J3
C6249 0.1/UFV
C6245 0.1/UFV
C6246 0.1/UFV
C6250 0.1/UFV
C6251 0.1/UFV
+5VD

PAT=PATTERN ONLY
Ref No.6233～6294 Series.

COMPONENT NAME	F6:SYSCON (IF)	06/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (6/22)	
	SCM089	

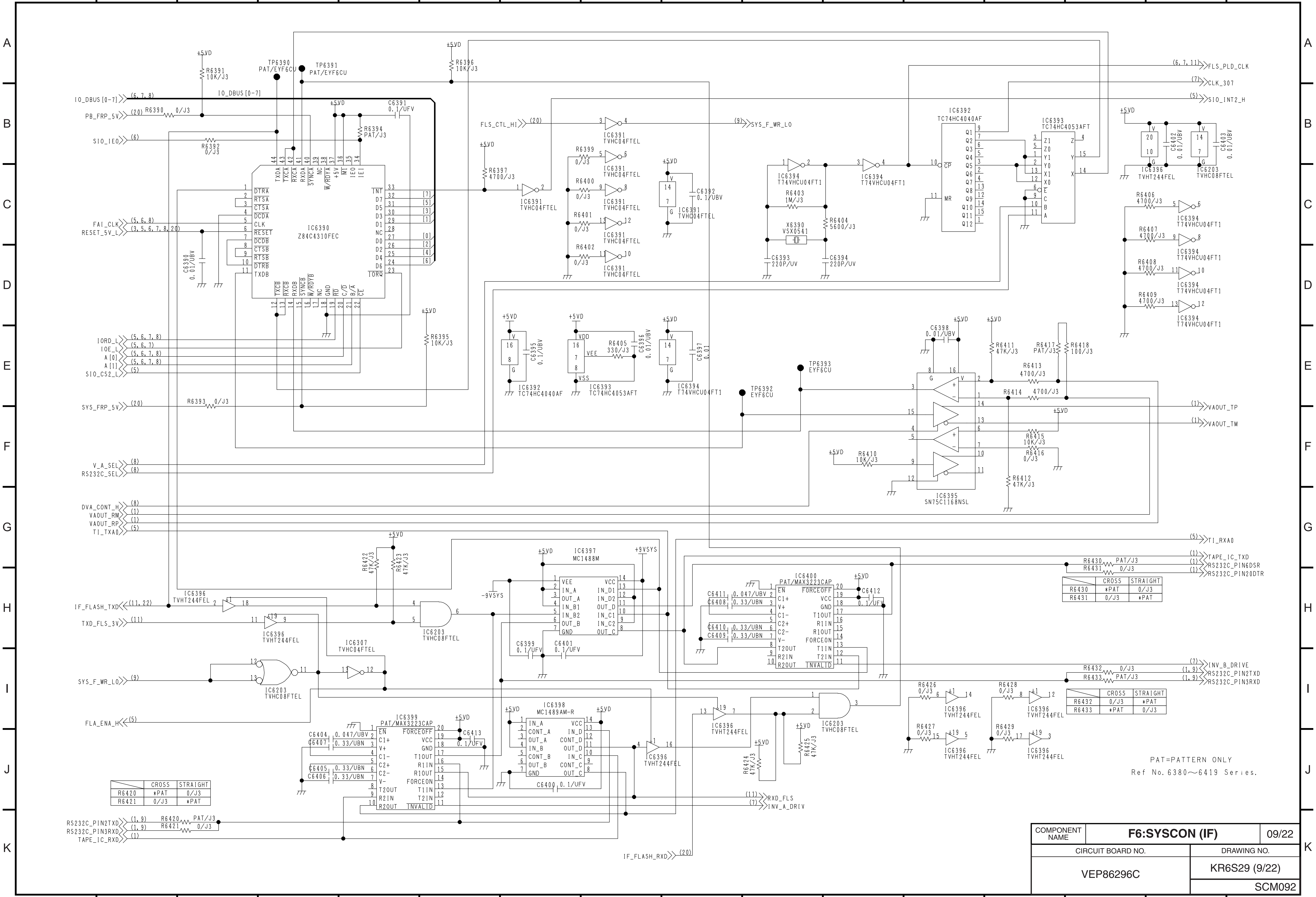

FLS_PLD_CLK
CLK_307
IO_DBUS[0-7]
A[0-3]
DATA_BUS[0-7]
RY_BY
INV_A_DRIVE
INV_B_DRIVE
VFD_CNT_END
IOE_L
RESET_5V_L
IOWR_L
IORD_L
PORTA_CS_L
FRONT_SW1
FRONT_SW2
FRONT_SW3
FRONT_SW4
UFR_BUSY
FLASH_SW0
FLASH_SW1
FLASH_SW2
FLASH_SW3
IF_FLASH_SW
IF_PARA_SW
STB32_H
SERIAL_CLK
STB_CLK32
N_STB
OUT_SCLK
VFD_CNT_END
VFD_CNT
P_SERIAL_OUT
P_SERIAL_IN
ROM_SELECTER
IC6341 TC74HC4024AF
IC6307 TVHC04FTEL
IC6197 TVHC04FTEL
IC6308 TC74HC4050AF
IC6306 SN74LS38NS-L
IC6309 TVHC00FTEL
IC6342 TVHC74FTEL
IC6295 TE7751
IC6296 TVHT245FTEL
IC6297 TVHC165FTEL
IC6298 TVHC165FTEL
IC6300 TVHC165FTEL
IC6301 TVHC165FTEL
IC6299 TC74HC4094AF
IC6302 TC74HC4094AF
IC6303 TC74HC4094AF
IC6352 TC74HC4094AF
IC6305 74F32SJ-R1
IC6201 74F08SJ-R1
D6303 MA142WK-GTX
D6304 MA142WK-GTX
D6301 MA142WK-GTX
D6295 MA715-TX
D6296 MA715-TX
D6297 MA715-TX
D6298 MA715-TX
D6299 MA715-TX
D6300 PAT/MA715-TX
D6302 PAT/MA715-TX
PLAY_STATUS_H
STOP_STATUS_H
FF_STATUS_H
REW_STATUS_H
REC_STATUS_H
EJECT_STATUS_H
READY_ON_STATUS_H
PREROLL_STATUS_H
SERVO_LOCK_H
25P_OK_H
POUT2
POUT3
POUTS1
POUTS2
POUTS3
POUTS4
PLAY_CMD_L
STOP_CMD_L
FF_CMD_L
REW_CMD_L
REC_CMD_L
EJECT_CMD_L
READY_ON/OFF_CMD_L
PREROLL_CMD_L
INSET_H
PIN1
PIN2
PIN3
PIN_S1
PIN_S2
PIN_S3
PIN_S4
PA1[0-7]
PA2[0-7]
PA3[0-7]
PA4[0-7]
PA5[0-7]
+5VD
PAT=PATTERN ONLY
Ref No. 6295～6342 Series.

COMPONENT NAME	F6:SYSCON (IF)	07/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (7/22)	
	SCM090	


STB32_H
OUT_SCLK
IF_INT_L
FEND_SYS1
V_IN_SEL_SW_L
A_IN_SEL_SW_L
D5_EJECT_L
D5_SLOW_L
D5_TAPE_REV_H
SYS_TAPE_REV_H
A[0-3]
D5_CTL_PLS
FAI_CLK
IO_DBUS[0-7]
RESET_5V_L
IOWR_L
IORD_L
PORTB_CS_L
IC6343
TE7751
IC6344
T74HC191AFT1
IC6345
T74HC191AFT1
IC6346
TVHC574FTEL
IC6202
TVHC74FTEL
IC6347
TVHC165FTEL
IC6348
TVHC165FTEL
IC6349
TVHC165FTEL
IC6350
TVHC165FTEL
IC6351
TC74HC4050AF
IC6307
TVHC04FTEL
IC6308
TC74HC4050AF
IC6309
TVHC00FTEL
SW6343
VSS0367-08TB
D6343
MA715-TX
D6344
MA715-TX
D6345
MA142WK-GTX
D6346
MA715-TX
D6347
MA715-TX
D6348
MA715-TX
R6347 10K/J3
R6343 47K/J3
R6344 47K/J3
R6345 10K/J3
R6346 10K/J3
C6343 0.1/UFV
C6344 0.1/UFV
C6345 0.1/UFV
C6346 0.01/UBV
C6355 0.01/UBV
R6348 PAT/J3
R6349 2200/J3
R6350 10K/J3
R6351 10K/J3
R6352 10K/J3
R6353 10K/J3
R6354 10K/J3
R6355 10K/J3
R6356 10K/J3
R6357 10K/J3
R6366–R6373 47K/J3
R6374 10K/J3
R6375 10K/J3
R6376 10K/J3
R6377 10K/J3
R6378 10K/J3
R6379 100/J3
R6380 0/J3
R6381 47K/J3
R6382 4700/J3
R6383 4700/J3
R6384 4700/J3
R6385 0/J3
R6386 0/J3
R6387 0/J3
R6388 0/J3
R6389 0/J3
R6434 100/J3
R6435 100/J3
R6436 0/J3
C6347 0.01/UBV
C6348 0.01/UBV
C6349 0.01/UBV
C6350 0.01/UBV
C6351 0.01/UBV
C6352 0.01/UBV
C6353 0.01/UBV
C6354 0.01/UBV
+5VD
PB1[0-7]
PB3[0-7]
PB4[0-6]
PB5[0-7]
PB6[0-7]
PB7[0-7]
IO_DBUS[0-7]
CMPNT_LED
CMPST_LED
SDI_VLED
ANALOG_LED
AES_EBU_LED
USER_SET_LED
SDI_ALED
SDTI_LED
CH_COND1_LED
CH_COND2_LED
CH_COND3_LED
RESERVE
EJECT_LED
AUTO_OFF_LED
50M_LED
25M_LED
525_LED
P_LED
VFD_TEST(625_LED)
VFD_RESET
VFD_CS
VFD_WR
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
9P_REM3_H
LOCAL1_H
9P_REM_H
9P_REM1_H
9P_REM2_H
LOCAL2_H
9P_OUT_CON_H
9P_REM4_H
EJECT_LED_H
AUTO_OFF_LED_H
U_FRONT_DATA
VFD_WR_SIG
VFD_CS_SIG
VFD_CNT
INT_REF_L
INT_REF_PULSE
V_A_SEL
RS232C_SEL
DVA_CONT_H
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

PAT=PATTERN ONLY
Ref No.6343～6389 Series.

COMPONENT NAME	F6:SYSCON (IF)	08/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (8/22)
		SCM091


IO_DBUS[0-7]
PB_FRP_5V
SIO_IEO
FAI_CLK
RESET_5V_L
IORD_L
IOE_L
A[0]
A[1]
SIO_CS2_L
SYS_FRP_5V
V_A_SEL
RS232C_SEL
DVA_CONT_H
VAOUT_RM
VAOUT_RP
TI_TXA0
IF_FLASH_TXD
TXD_FLS_3V
SYS_F_WR_LO
FLA_ENA_H
RS232C_PIN2TXD
RS232C_PIN3RXD
TAPE_IC_RXD
IF_FLASH_RXD
FLS_CTL_HI
SYS_F_WR_LO
FLS_PLD_CLK
CLK_307
SIO_INT2_H
VAOUT_TP
VAOUT_TM
TI_RXA0
TAPE_IC_TXD
RS232C_PIN6DSR
RS232C_PIN20DTR
INV_B_DRIVE
RS232C_PIN2TXD
RS232C_PIN3RXD
RXD_FLS
INV_A_DRIV
IC6390 Z84C4310FEC
IC6391 TVHC04FTEL
IC6392 TC74HC4040AF
IC6393 TC74HC4053AFT
IC6394 T74VHCU04FT1
IC6395 SN75C1168NSL
IC6396 TVHT244FEL
IC6397 MC1488M
IC6398 MC1489AM-R
IC6399 PAT/MAX3223CAP
IC6400 PAT/MAX3223CAP
IC6203 TVHC08FTEL
IC6307 TVHC04FTEL
X6390 VSX0541
TP6390 PAT/EYF6CU
TP6391 PAT/EYF6CU
TP6392 EYF6CU
TP6393 EYF6CU
+5VD
+9VSYS
-9VSYS

	CROSS	STRAIGHT
R6430	*PAT	0/J3
R6431	0/J3	*PAT

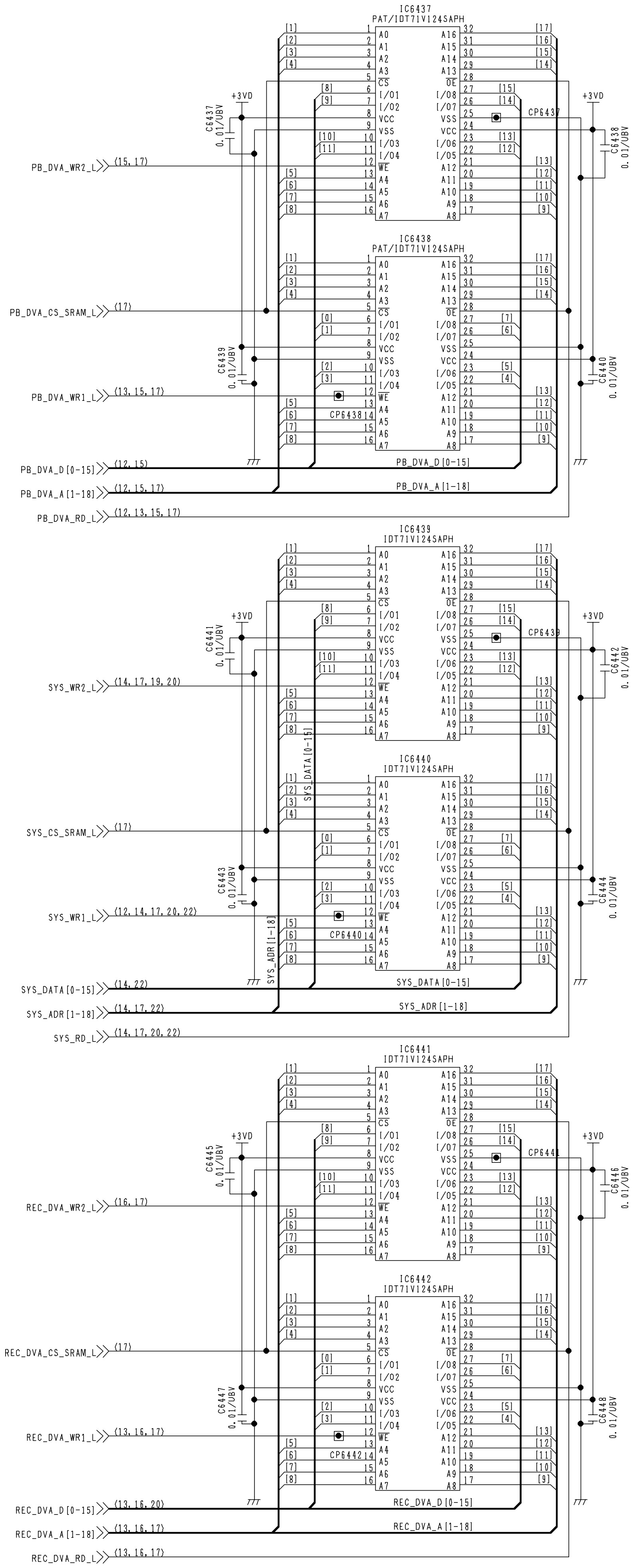
	CROSS	STRAIGHT
R6432	0/J3	*PAT
R6433	*PAT	0/J3

	CROSS	STRAIGHT
R6420	*PAT	0/J3
R6421	0/J3	*PAT

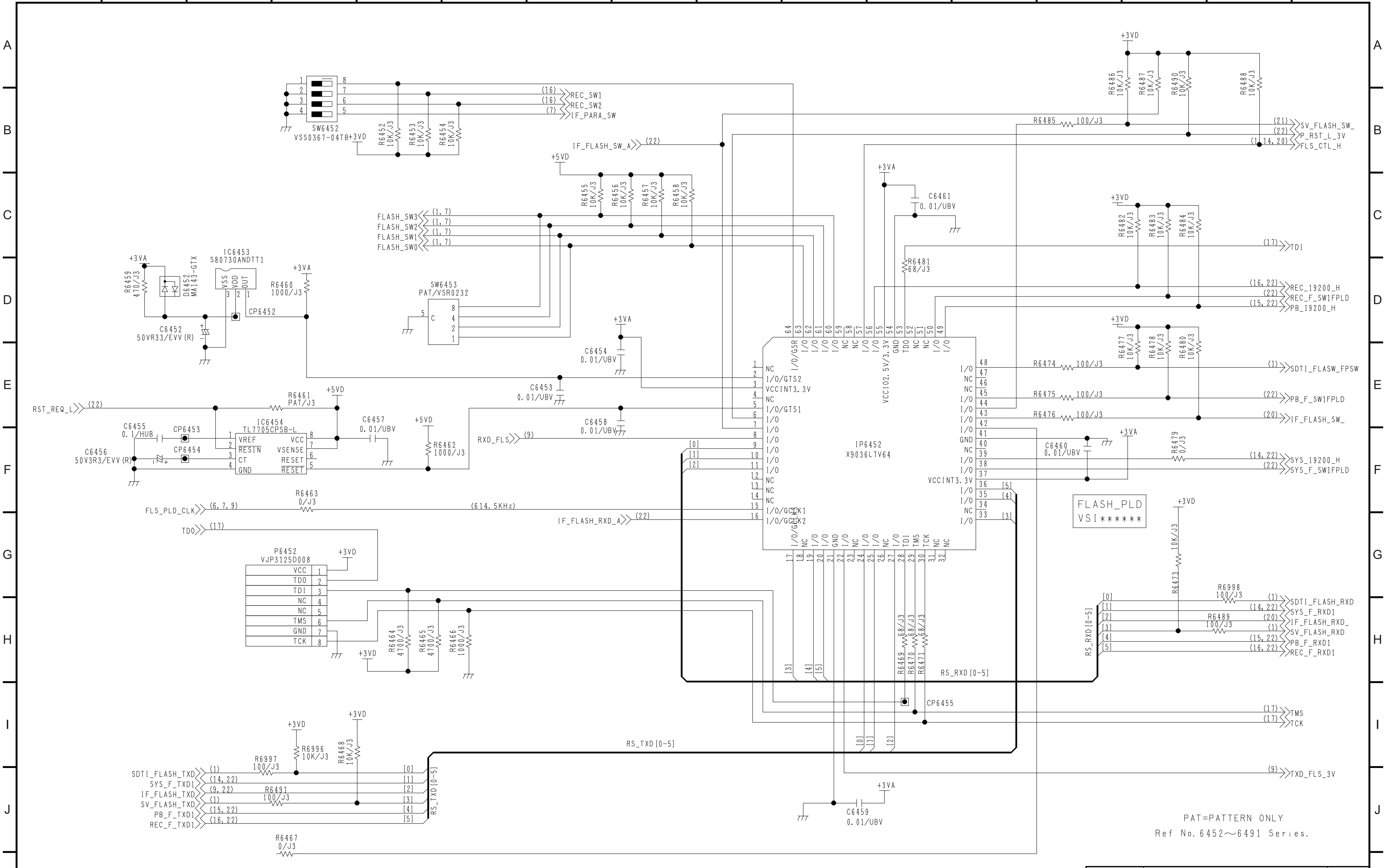
PAT=PATTERN ONLY

Ref No. 6380〜6419 Series.

COMPONENT NAME	F6:SYSCON (IF)	09/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (9/22)	
	SCM092	


IC6437
PAT/IDT71V124SAPH
IC6438
PAT/IDT71V124SAPH
IC6439
IDT71V124SAPH
IC6440
IDT71V124SAPH
IC6441
IDT71V124SAPH
IC6442
IDT71V124SAPH
A0 A1 A2 A3 CS I/O1 I/O2 VCC VSS I/O3 I/O4 WE A4 A5 A6 A7
A16 A15 A14 A13 OE I/O8 I/O7 VSS VCC I/O6 I/O5 A12 A11 A10 A9 A8
+3VD
C6437 0.01/UBV
C6438 0.01/UBV
C6439 0.01/UBV
C6440 0.01/UBV
C6441 0.01/UBV
C6442 0.01/UBV
C6443 0.01/UBV
C6444 0.01/UBV
C6445 0.01/UBV
C6446 0.01/UBV
C6447 0.01/UBV
C6448 0.01/UBV
CP6437
CP6438
CP6439
CP6440
CP6441
CP6442
PB_DVA_WR2_L (15,17)
PB_DVA_CS_SRAM_L (17)
PB_DVA_WR1_L (13,15,17)
PB_DVA_D[0-15] (12,15)
PB_DVA_A[1-18] (12,15,17)
PB_DVA_RD_L (12,13,15,17)
PB_DVA_D[0-15]
PB_DVA_A[1-18]
SYS_WR2_L (14,17,19,20)
SYS_CS_SRAM_L (17)
SYS_WR1_L (12,14,17,20,22)
SYS_DATA[0-15] (14,22)
SYS_ADR[1-18] (14,17,22)
SYS_RD_L (14,17,20,22)
SYS_DATA[0-15]
SYS_ADR[1-18]
REC_DVA_WR2_L (16,17)
REC_DVA_CS_SRAM_L (17)
REC_DVA_WR1_L (13,16,17)
REC_DVA_D[0-15] (13,16,20)
REC_DVA_A[1-18] (13,16,17)
REC_DVA_RD_L (13,16,17)
REC_DVA_D[0-15]
REC_DVA_A[1-18]

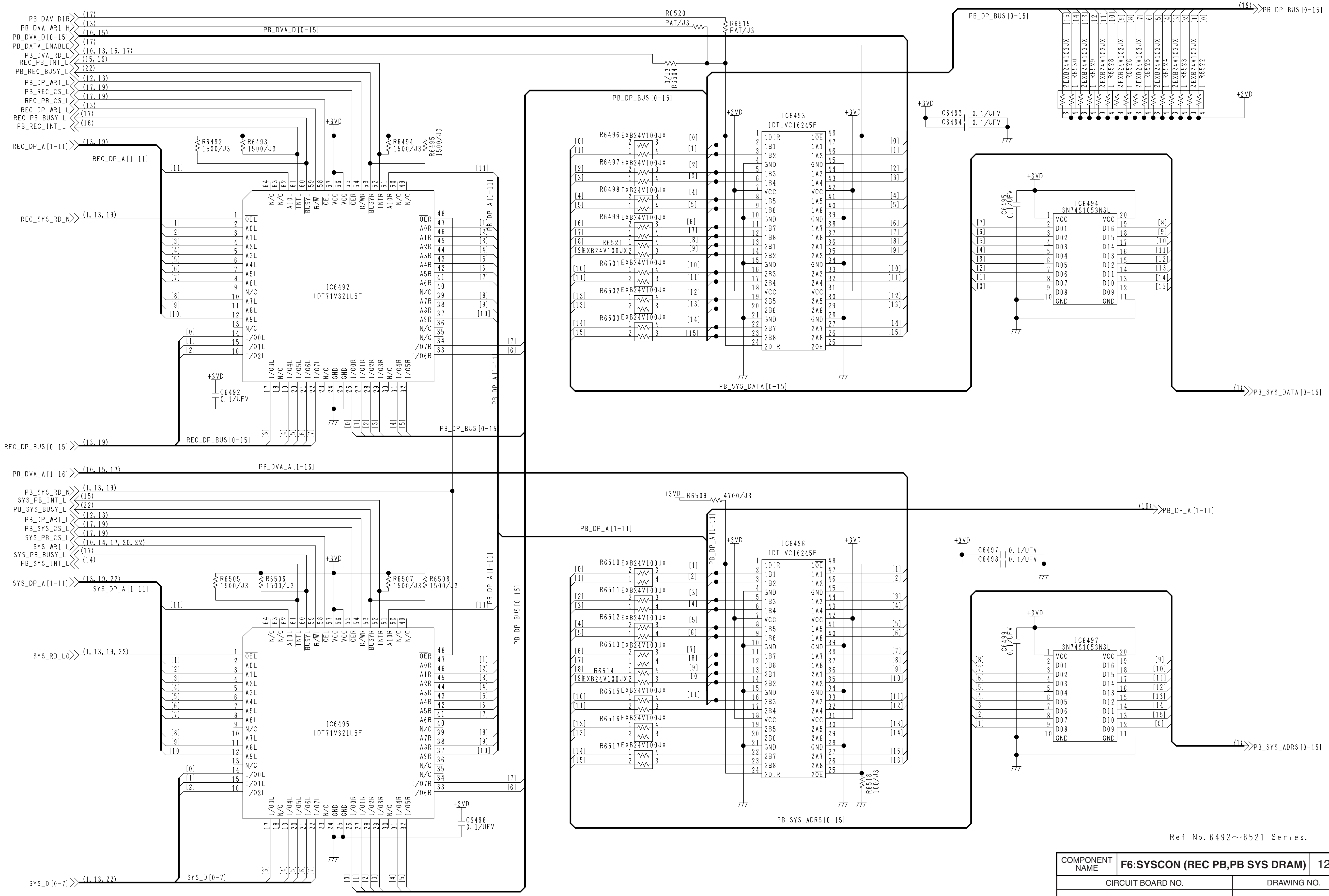
COMPONENT NAME	F6:SYSCON (AV IF)	10/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (10/22)	
	SCM093	


SW6452
VSS0367-04TB
REC_SW1
REC_SW2
IF_PARA_SW
R6452 10K/J3
R6453 10K/J3
R6454 10K/J3
+3VD
IF_FLASH_SW_A
+5VD
R6455 10K/J3
R6456 10K/J3
R6457 10K/J3
R6458 10K/J3
FLASH_SW3
FLASH_SW2
FLASH_SW1
FLASH_SW0
SW6453
PAT/VSR0232
IC6453
S80730ANDTT1
D6452
MA143-GTX
R6459 470/J3
C6452
50VR33/EVV(R)
R6460 1000/J3
CP6452
+3VA
C6454 0.01/UBV
C6453 0.01/UBV
RST_REQ_L
R6461 PAT/J3
IC6454
TL7705CPSB-L
VREF
RESIN
CT
GND
VCC
VSENSE
RESET
C6455 0.1/HUB
CP6453
CP6454
C6456
50V3R3/EVV(R)
C6457 0.01/UBV
R6462 1000/J3
C6458 0.01/UBV
RXD_FLS
FLS_PLD_CLK
R6463 0/J3
(614.5KHz)
IF_FLASH_RXD_A
TDO
P6452
VJP3125D008
VCC
TDO
TDI
NC
TMS
GND
TCK
R6464 4700/J3
R6465 4700/J3
R6466 1000/J3
IP6452
X9036L7V64
VCCIO2.5V/3.3V
VCCINT3.3V
I/O/GTS1
I/O/GTS2
I/O/GSR
I/O/GCK1
I/O/GCK2
C6461 0.01/UBV
R6481 68/J3
C6460 0.01/UBV
R6479 0/J3
R6469 68/J3
R6470 68/J3
R6471 68/J3
CP6455
C6459 0.01/UBV
RS_RXD[0-5]
RS_TXD[0-5]
R6486 10K/J3
R6487 10K/J3
R6490 10K/J3
R6488 10K/J3
R6485 100/J3
SV_FLASH_SW_
P_RST_L_3V
FLS_CTL_H
R6482 10K/J3
R6483 10K/J3
R6484 10K/J3
TDI
REC_19200_H
REC_F_SW1FPLD
PB_19200_H
R6477 10K/J3
R6478 10K/J3
R6480 10K/J3
R6474 100/J3
SDTI_FLASW_FPSW
R6475 100/J3
PB_F_SW1FPLD
R6476 100/J3
IF_FLASH_SW_
SYS_19200_H
SYS_F_SW1FPLD
FLASH_PLD
VSI******
R6473 10K/J3
R6998 100/J3
R6489 100/J3
SDTI_FLASH_RXD
SYS_F_RXD1
IF_FLASH_RXD_
SV_FLASH_RXD
PB_F_RXD1
REC_F_RXD1
TMS
TCK
TXD_FLS_3V
R6996 10K/J3
R6997 100/J3
R6468 10K/J3
R6491 100/J3
SDTI_FLASH_TXD
SYS_F_TXD1
IF_FLASH_TXD
SV_FLASH_TXD
PB_F_TXD1
REC_F_TXD1
R6467 0/J3

PAT=PATTERN ONLY

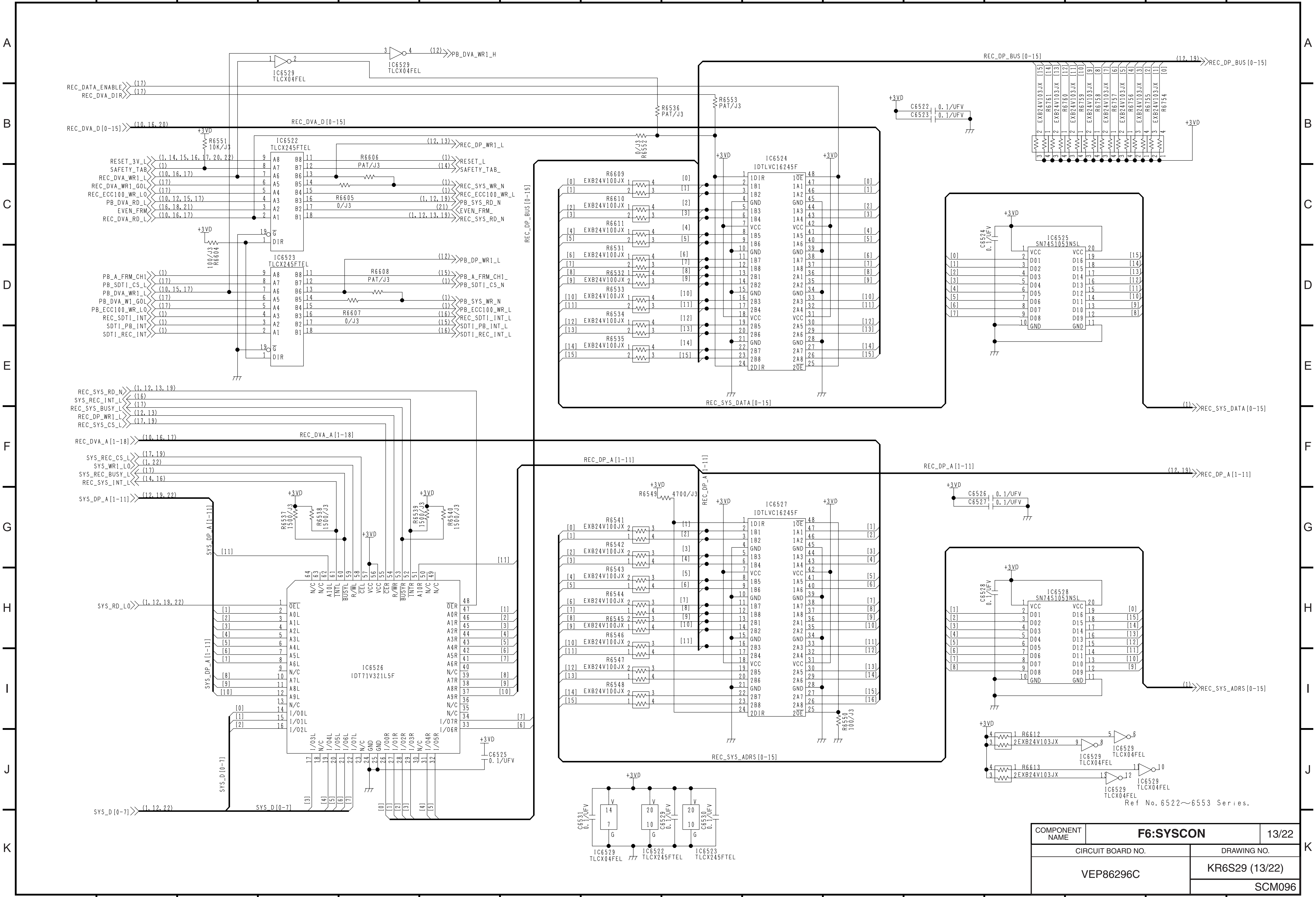
Ref No.6452～6491 Series.

COMPONENT NAME	F6:SYSCON (AV IF)	11/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (11/22)
		SCM094


PB_DAV_DIR (17)
PB_DVA_WR1_H (13)
PB_DVA_D[0-15] (10, 15)
PB_DATA_ENABLE (17)
PB_DVA_RD_L (10, 13, 15, 17)
REC_PB_INT_L (15, 16)
PB_REC_BUSY_L (22)
PB_DP_WR1_L (12, 13)
PB_REC_CS_L (17, 19)
REC_PB_CS_L (17, 19)
REC_DP_WR1_L (13)
REC_PB_BUSY_L (17)
PB_REC_INT_L (16)
REC_DP_A[1-11] (13, 19)
REC_SYS_RD_N (1, 13, 19)
REC_DP_BUS[0-15] (13, 19)
PB_DVA_A[1-16] (10, 15, 17)
PB_SYS_RD_N (1, 13, 19)
SYS_PB_INT_L (15)
PB_SYS_BUSY_L (22)
PB_DP_WR1_L (12, 13)
PB_SYS_CS_L (17, 19)
SYS_PB_CS_L (17, 19)
SYS_WR1_L (10, 14, 17, 20, 22)
SYS_PB_BUSY_L (17)
PB_SYS_INT_L (14)
SYS_DP_A[1-11] (13, 19, 22)
SYS_RD_L0 (1, 13, 19, 22)
SYS_D[0-7] (1, 13, 22)
IC6492 IDT71V321L5F
IC6495 IDT71V321L5F
IC6493 IDTLVC16245F
IC6496 IDTLVC16245F
IC6494 SN74S1053NSL
IC6497 SN74S1053NSL
R6492 1500/J3
R6493 1500/J3
R6494 1500/J3
R6495 1500/J3
R6505 1500/J3
R6506 1500/J3
R6507 1500/J3
R6508 1500/J3
R6496 EXB24V100JX
R6497 EXB24V100JX
R6498 EXB24V100JX
R6499 EXB24V100JX
R6521 EXB24V100JX
R6501 EXB24V100JX
R6502 EXB24V100JX
R6503 EXB24V100JX
R6510 EXB24V100JX
R6511 EXB24V100JX
R6512 EXB24V100JX
R6513 EXB24V100JX
R6514 EXB24V100JX
R6515 EXB24V100JX
R6516 EXB24V100JX
R6517 EXB24V100JX
R6520 PAT/J3
R6519 PAT/J3
R6504 0/J3
R6509 4700/J3
R6518 100/J3
R6522 - R6530 EXB24V103JX
C6492 0.1/UFV
C6493 0.1/UFV
C6494 0.1/UFV
C6495 0.1/UFV
C6496 0.1/UFV
C6497 0.1/UFV
C6498 0.1/UFV
C6499 0.1/UFV
+3VD
PB_DP_BUS[0-15]
(19) PB_DP_BUS[0-15]
PB_SYS_DATA[0-15]
(1) PB_SYS_DATA[0-15]
PB_DP_A[1-11]
(19) PB_DP_A[1-11]
PB_SYS_ADRS[0-15]
(1) PB_SYS_ADRS[0-15]
REC_DP_A[1-11]
REC_DP_BUS[0-15]
SYS_DP_A[1-11]
SYS_D[0-7]
PB_DVA_D[0-15]
PB_DVA_A[1-16]

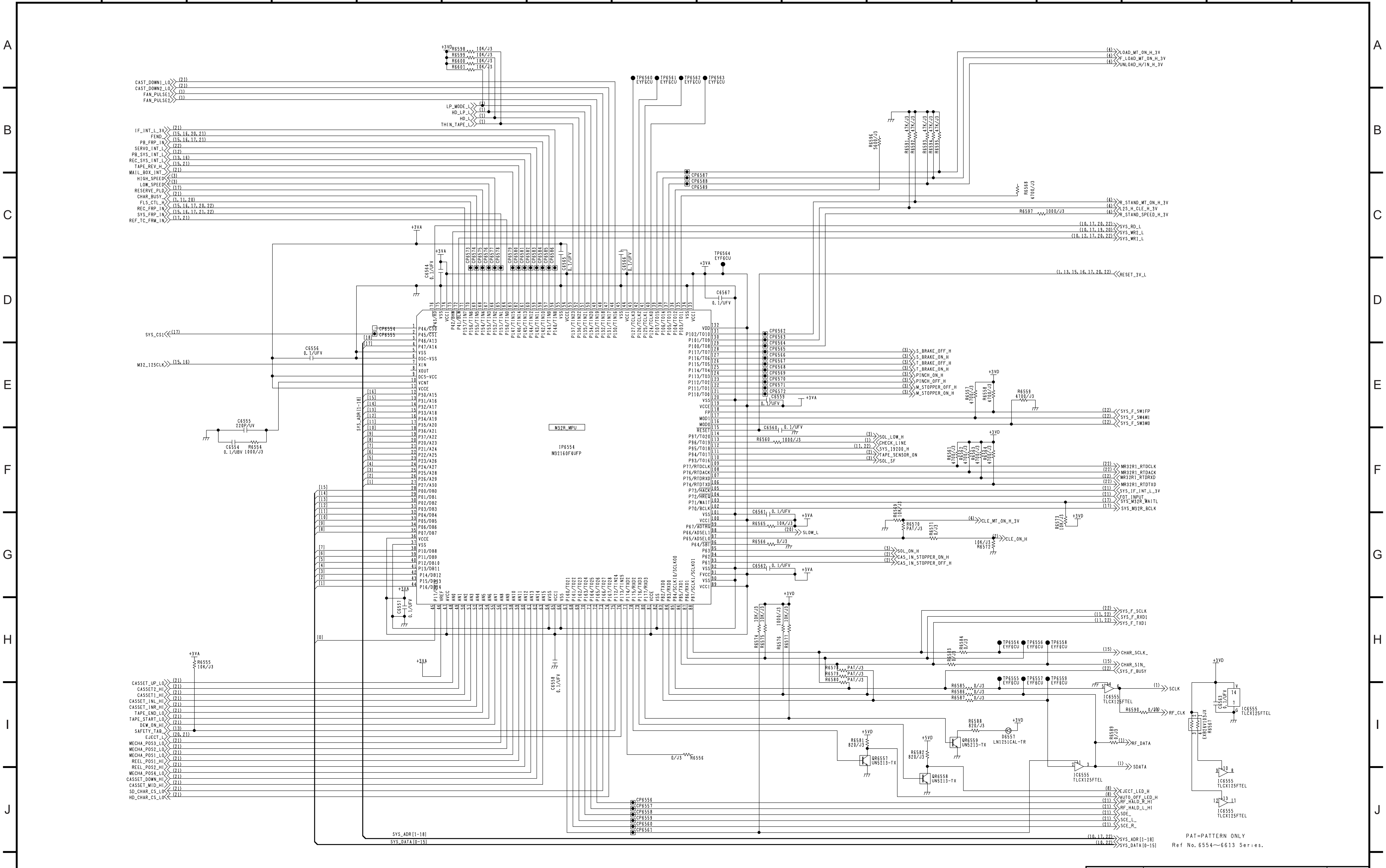
Ref No. 6492～6521 Series.

COMPONENT NAME	F6:SYSCON (REC PB,PB SYS DRAM)	12/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (12/22)
		SCM095


REC_DATA_ENABLE (17)
REC_DVA_DIR (17)
REC_DVA_D[0-15] (10,16,20)
RESET_3V_L (1,14,15,16,17,20,22)
SAFETY_TAB (1)
REC_DVA_WR1_L (10,16,17)
REC_DVA_WR1_GOL (17)
REC_ECC100_WR_LO (17)
PB_DVA_RD_L (10,12,15,17)
EVEN_FRM (16,18,21)
REC_DVA_RD_L (10,16,17)
PB_A_FRM_CH1 (1)
PB_SDTI_CS_L (17)
PB_DVA_WR1_L (10,15,17)
PB_DVA_W1_GOL (17)
PB_ECC100_WR_LO (17)
REC_SDTI_INT (1)
SDTI_PB_INT (1)
SDTI_REC_INT (1)
IC6529 TLCX04FEL
(12) PB_DVA_WR1_H
IC6522 TLCX245FTEL
IC6523 TLCX245FTEL
R6551 10K/J3
R6604 100/J3
R6606 PAT/J3
R6605 0/J3
R6608 PAT/J3
R6607 0/J3
(12,13) REC_DP_WR1_L
(1) RESET_L
(14) SAFETY_TAB_
(1) REC_SYS_WR_N
(1) REC_ECC100_WR_L
(1,12,19) PB_SYS_RD_N
(21) EVEN_FRM_
(1,12,13,19) REC_SYS_RD_N
(12) PB_DP_WR1_L
(15) PB_A_FRM_CH1_
(1) PB_SDTI_CS_N
(1) PB_SYS_WR_N
(16) PB_ECC100_WR_L
(16) REC_SDTI_INT_L
(15) SDTI_PB_INT_L
(16) SDTI_REC_INT_L
R6536 PAT/J3
R6553 PAT/J3
R6552 0/J3
REC_DP_BUS[0-15]
(12,19) REC_DP_BUS[0-15]
R6754–R6761 EXB24V103JX
C6522 0.1/UFV
C6523 0.1/UFV
+3VD
IC6524 IDTLVC16245F
R6609 R6610 R6611 R6531 R6532 R6533 R6534 R6535 EXB24V100JX
REC_SYS_DATA[0-15]
IC6525 SN74S1053NSL
C6524 0.1/UFV
(1) REC_SYS_DATA[0-15]
REC_SYS_RD_N (1,12,13,19)
SYS_REC_INT_L (16)
REC_SYS_BUSY_L (17)
REC_DP_WR1_L (12,13)
REC_SYS_CS_L (17,19)
REC_DVA_A[1-18] (10,16,17)
SYS_REC_CS_L (17,19)
SYS_WR1_LO (1,22)
SYS_REC_BUSY_L (17)
REC_SYS_INT_L (14,16)
SYS_DP_A[1-11] (12,19,22)
SYS_RD_LO (1,12,19,22)
SYS_D[0-7] (1,12,22)
R6537 1500/J3
R6538 1500/J3
R6539 1500/J3
R6540 1500/J3
IC6526 IDT71V321L5F
C6525 0.1/UFV
REC_DP_A[1-11]
(12,19) REC_DP_A[1-11]
C6526 0.1/UFV
C6527 0.1/UFV
R6549 4700/J3
IC6527 IDTLVC16245F
R6541 R6542 R6543 R6544 R6545 R6546 R6547 R6548 EXB24V100JX
R6550 100/J3
REC_SYS_ADRS[0-15]
IC6528 SN74S1053NSL
C6528 0.1/UFV
(1) REC_SYS_ADRS[0-15]
R6612 EXB24V103JX
R6613 EXB24V103JX
C6531 0.1/UFV
C6529 0.1/UFV
C6530 0.1/UFV
IC6529 TLCX04FEL
IC6522 TLCX245FTEL
IC6523 TLCX245FTEL

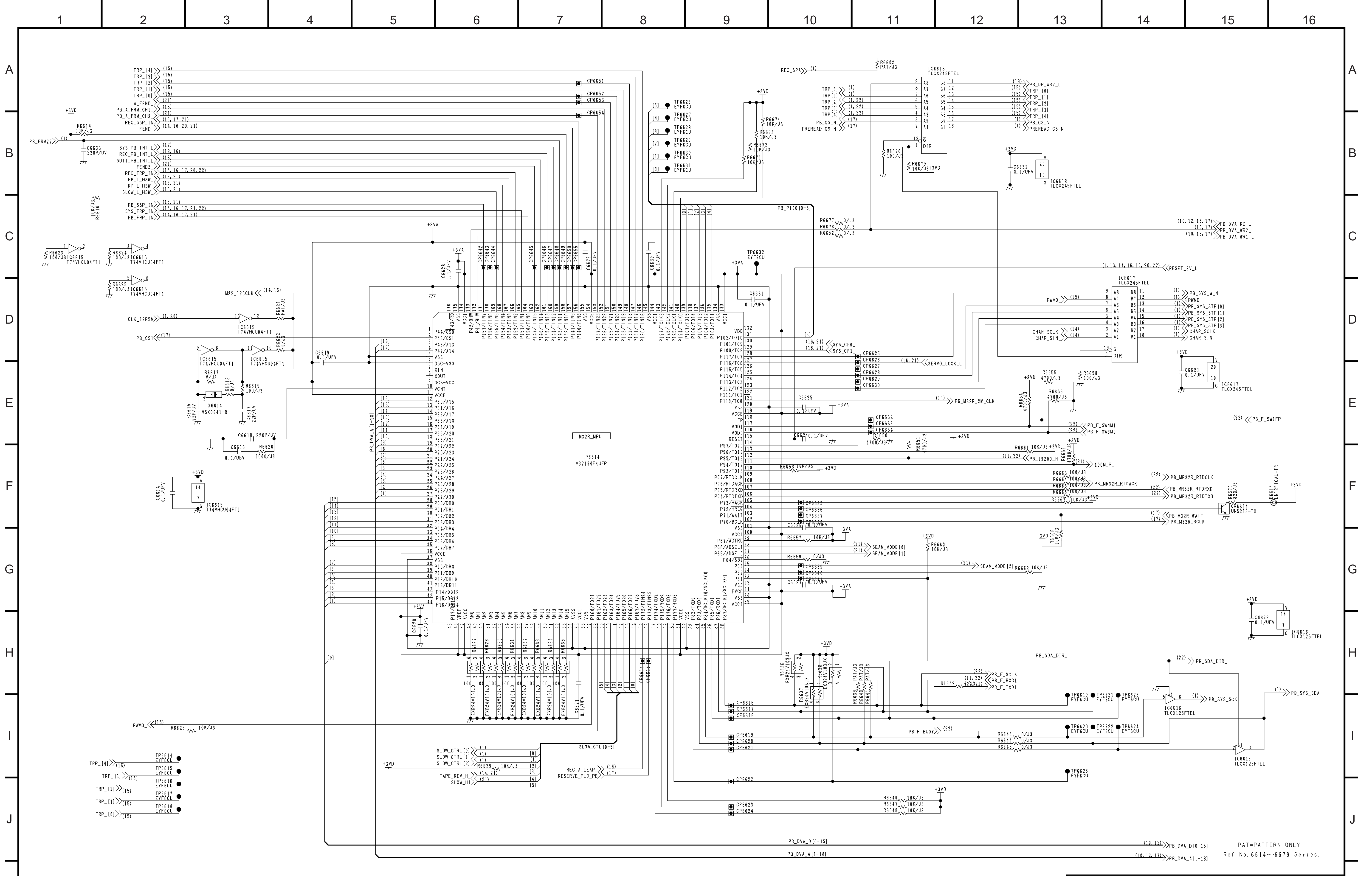
Ref No. 6522~6553 Series.

COMPONENT NAME	F6:SYSCON	13/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (13/22)	
	SCM096	


IC6554
M32160F4UFP
M32R_MPU
CAST_DOWN1_LO
CAST_DOWN2_LO
FAN_PULSE1
FAN_PULSE2
LP_MODE_L
HD_LP_L
HD_L
THIN_TAPE_L
IF_INT_L_3V
FEND
PB_FRP_IN
SERVO_INT_L
PB_SYS_INT_L
REC_SYS_INT_L
TAPE_REV_H
MAIL_BOX_INT
HIGH_SPEED
LOW_SPEED
RESERVE_PLD
CHAR_BUSY
FLS_CTL_H
REC_FRP_IN
SYS_FRP_IN
REF_TC_FRM_IN
SYS_CS1
M32_125CLK
LOAD_MT_ON_H_3V
F_LOAD_MT_ON_H_3V
UNLOAD_H/IN_H_3V
R_STAND_MT_ON_H_3V
L2S_H_CLE_H_3V
R_STAND_SPEED_H_3V
SYS_RD_L
SYS_WR2_L
SYS_WR1_L
RESET_3V_L
S_BRAKE_OFF_H
S_BRAKE_ON_H
T_BRAKE_OFF_H
T_BRAKE_ON_H
PINCH_ON_H
PINCH_OFF_H
M_STOPPER_OFF_H
M_STOPPER_ON_H
SYS_F_SW1FP
SYS_F_SW4M1
SYS_F_SW3M0
SOL_LOW_H
CHECK_LINE
SYS_19200_H
TAPE_SENSOR_ON
SOL_SF
MR32R1_RTDCLK
MR32R1_RTDACK
MR32R1_RTDRXD
MR32R1_RTDTXD
SYS_IF_INT_L_3V
FDT_INPUT
SYS_M32R_WAITL
SYS_M32R_BCLK
CLE_MT_ON_H_3V
SLOW_L
CLE_ON_H
SOL_ON_H
CAS_IN_STOPPER_ON_H
CAS_IN_STOPPER_OFF_H
SYS_F_SCLK
SYS_F_RXD1
SYS_F_TXD1
CHAR_SCLK_
CHAR_SIN_
SYS_F_BUSY
SCLK
RF_CLK
RF_DATA
SDATA
EJECT_LED_H
AUTO_OFF_LED_H
RF_HALD_R_HI
RF_HALD_L_HI
SDE_
SCE_L_
SCE_R_
SYS_ADR[1-18]
SYS_DATA[0-15]
CASSET_UP_LO
CASSET2_HI
CASSET1_HI
CASSET_INL_HI
CASSET_INR_HI
TAPE_END_LO
TAPE_START_LO
DEW_ON_HI
SAFETY_TAB
EJECT_L
MECHA_POS3_LO
MECHA_POS2_LO
MECHA_POS1_LO
REEL_POS1_HI
REEL_POS2_HI
MECHA_POS4_LO
CASSET_DOWN_HI
CASSET_MID_HI
SD_CHAR_CS_LO
HD_CHAR_CS_LO
IC6555 TLCX125FTEL
QR6557 UN5213-TX
QR6558 UN5213-TX
QR6559 UN5213-TX
D6557 LN1251CAL-TR
+3VD
+3VA
+5VD

PAT=PATTERN ONLY
Ref No. 6554～6613 Series.

COMPONENT NAME	F6:SYSCON	14/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (14/22)	
	SCM097	

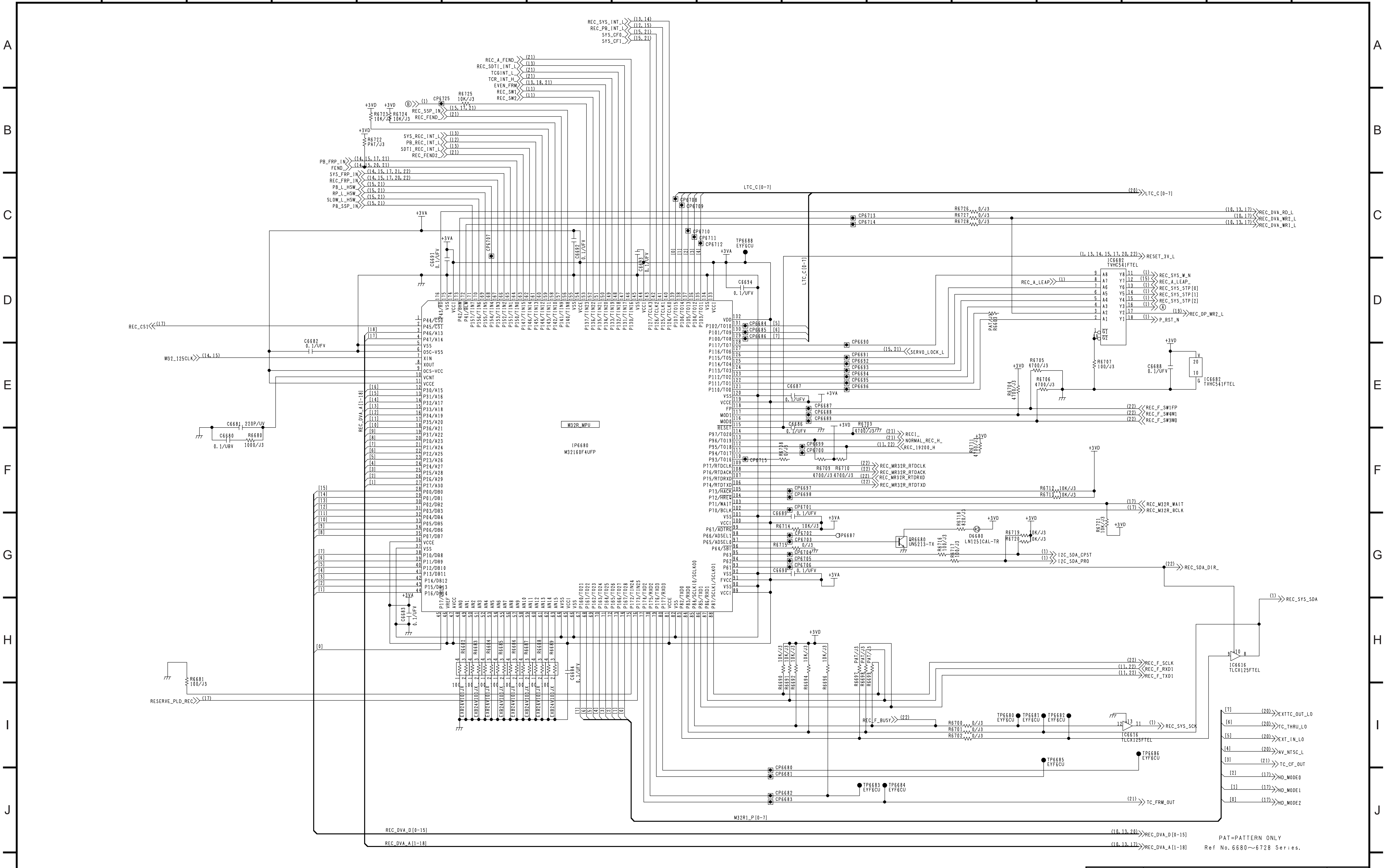


IC6614
M32160F4UFP
M32R_MPU
IC6615
T74VHCU04FT1
IC6618
TLCX245FTEL
IC6617
TLCX245FTEL
IC6616
TLCX125FTEL
X6614
VSX0641-B
QR6614
UN5213-TX
PB_FRM27
CLK_12R5M
M32_125CLK
PB_CS1
PWMO_
REC_SPA
PB_DP_WR2_L
PB_CS_N
PREREAD_CS_N
PB_P100[0-5]
PB_DVA_RD_L
PB_DVA_WR2_L
PB_DVA_WR1_L
RESET_3V_L
PB_SYS_W_N
PB_SYS_STP[0]
PB_SYS_STP[1]
PB_SYS_STP[2]
PB_SYS_STP[3]
CHAR_SCLK
CHAR_SIN
SYS_CF0_
SYS_CF1_
SERVO_LOCK_L
PB_M32R_2M_CLK
PB_F_SW1FP
PB_F_SW4M1
PB_F_SW3M0
PB_13200_H
100M_P_
PB_MR32R_RTDCLK
PB_MR32R_RTDACK
PB_MR32R_RTDRXD
PB_MR32R_RTDTXD
PB_M32R_WAIT
PB_M32R_BCLK
SEAM_MODE[0]
SEAM_MODE[1]
SEAM_MODE[2]
PB_SDA_DIR_
PB_F_SCLK
PB_F_RXD1
PB_F_TXD1
PB_SYS_SCK
PB_SYS_SDA
PB_F_BUSY
SLOW_CTRL[0]
SLOW_CTRL[1]
SLOW_CTRL[2]
SLOW_CTL[0-5]
TAPE_REV_H
SLOW_H1
REC_A_LEAP
RESERVE_PLD_PB
PB_DVA_D[0-15]
PB_DVA_A[1-18]
+3VD
+3VA

PAT=PATTERN ONLY

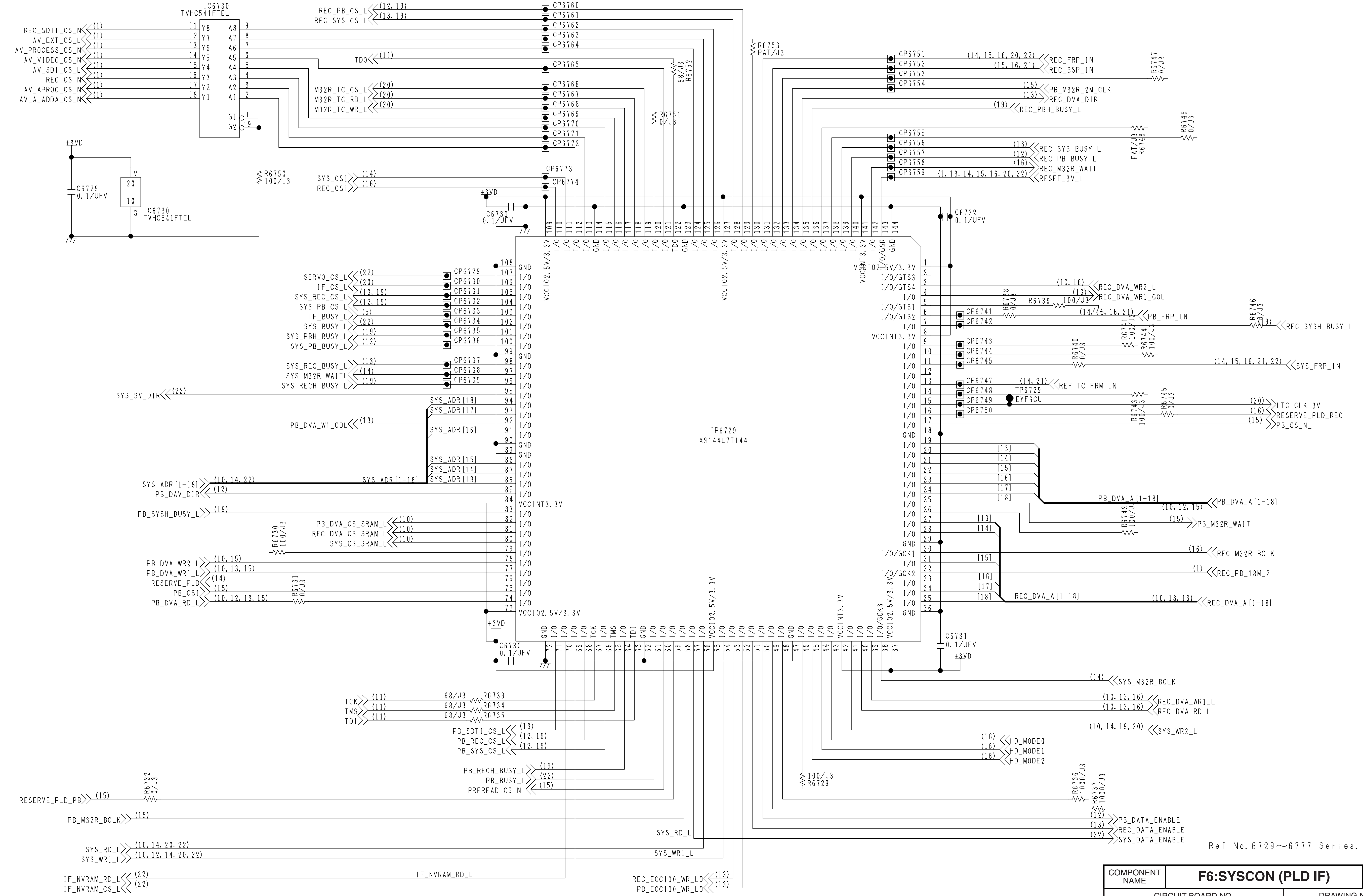
Ref No. 6614～6679 Series.

COMPONENT NAME	F6:SYSCON (PBDVA CPU)	15/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (15/22)
		SCM098


M32R_MPU
IC6680
M32160F4UFP
IC6682
TVHC541FTEL
IC6616
TLCX125FTEL
REC_SYS_INT_L
REC_PB_INT_L
SYS_CF0
SYS_CF1
REC_A_FEND
REC_SDTI_INT_L
TCGINT_L
TCR_INT_H
EVEN_FRM
REC_SW1
REC_SW2
REC_SSP_IN
REC_FEND
SYS_REC_INT_L
PB_REC_INT_L
SDTI_REC_INT_L
REC_FEND2
PB_FRP_IN
FEND
SYS_FRP_IN
REC_FRP_IN
PB_L_HSW
RP_L_HSW
SLOW_L_HSW
PB_SSP_IN
LTC_C[0-7]
REC_DVA_RD_L
REC_DVA_WR2_L
REC_DVA_WR1_L
RESET_3V_L
REC_SYS_W_N
REC_A_LEAP_
REC_SYS_STP[0]
REC_SYS_STP[1]
REC_SYS_STP[2]
REC_DP_WR2_L
P_RST_N
SERVO_LOCK_L
REC_CS1
M32_125CLK
REC_F_SW1FP
REC_F_SW4M1
REC_F_SW3M0
REC1_
NORMAL_REC_H_
REC_19200_H
REC_MR32R_RTDCLK
REC_MR32R_RTDACK
REC_MR32R_RTDRXD
REC_MR32R_RTDTXD
REC_M32R_WAIT
REC_M32R_BCLK
I2C_SDA_CPST
I2C_SDA_PRO
REC_SDA_DIR_
REC_SYS_SDA
REC_F_SCLK
REC_F_RXD1
REC_F_TXD1
REC_F_BUSY
REC_SYS_SCK
EXTTC_OUT_LO
TC_THRU_LO
EXT_IN_LO
AV_NTSC_L
TC_CF_OUT
HD_MODE0
HD_MODE1
HD_MODE2
TC_FRM_OUT
M32R1_P[0-7]
REC_DVA_D[0-15]
REC_DVA_A[1-18]
RESERVE_PLD_REC
+3VD
+3VA
QR6680
UN5213-TX
D6680
LN1251CAL-TR
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

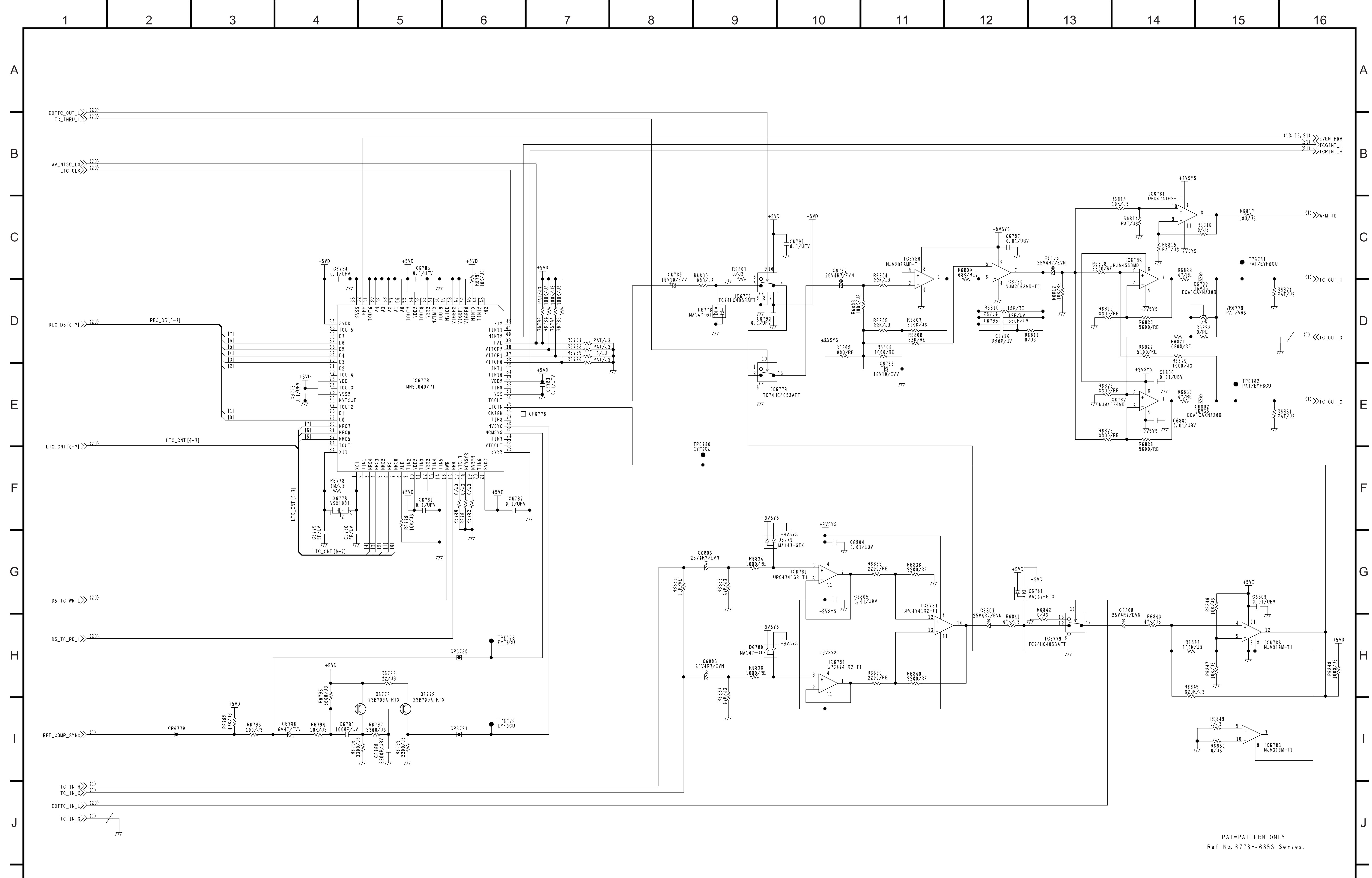
PAT=PATTERN ONLY
Ref No. 6680～6728 Series.

COMPONENT NAME	F6:SYSCON (REC DVA CPU)	16/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (16/22)	
	SCM099	


IC6730
TVHC541FTEL
REC_SDTI_CS_N
AV_EXT_CS_L
AV_PROCESS_CS_N
AV_VIDEO_CS_N
AV_SDI_CS_L
REC_CS_N
AV_APROC_CS_N
AV_A_ADDA_CS_N
REC_PB_CS_L
REC_SYS_CS_L
TDO
M32R_TC_CS_L
M32R_TC_RD_L
M32R_TC_WR_L
SYS_CS1
REC_CS1
C6729
0.1/UFV
R6750
100/J3
C6733
0.1/UFV
R6751
0/J3
R6752
68/J3
R6753
PAT/J3
CP6760
CP6761
CP6762
CP6763
CP6764
CP6765
CP6766
CP6767
CP6768
CP6769
CP6770
CP6771
CP6772
CP6773
CP6774
CP6751
CP6752
CP6753
CP6754
CP6755
CP6756
CP6757
CP6758
CP6759
REC_FRP_IN
REC_SSP_IN
PB_M32R_2M_CLK
REC_DVA_DIR
REC_PBH_BUSY_L
REC_SYS_BUSY_L
REC_PB_BUSY_L
REC_M32R_WAIT
RESET_3V_L
R6747
0/J3
R6749
0/J3
R6748
PAT/J3
C6732
0.1/UFV
SERVO_CS_L
IF_CS_L
SYS_REC_CS_L
SYS_PB_CS_L
IF_BUSY_L
SYS_BUSY_L
SYS_PBH_BUSY_L
SYS_PB_BUSY_L
SYS_REC_BUSY_L
SYS_M32R_WAIT
SYS_RECH_BUSY_L
SYS_SV_DIR
PB_DVA_W1_GOL
SYS_ADR[1-18]
PB_DAV_DIR
PB_SYSH_BUSY_L
PB_DVA_CS_SRAM_L
REC_DVA_CS_SRAM_L
SYS_CS_SRAM_L
R6730
100/J3
PB_DVA_WR2_L
PB_DVA_WR1_L
RESERVE_PLD
PB_CS1
PB_DVA_RD_L
R6731
0/J3
C6730
0.1/UFV
IP6729
X9144L7T144
REC_DVA_WR2_L
REC_DVA_WR1_GOL
R6738
0/J3
R6739
100/J3
PB_FRP_IN
R6746
0/J3
REC_SYSH_BUSY_L
R6741
100/J3
R6744
100/J3
R6740
0/J3
SYS_FRP_IN
REF_TC_FRM_IN
TP6729
EYF6CU
R6743
100/J3
R6745
0/J3
LTC_CLK_3V
RESERVE_PLD_REC
PB_CS_N_
PB_DVA_A[1-18]
R6742
100/J3
PB_M32R_WAIT
REC_M32R_BCLK
REC_PB_18M_2
REC_DVA_A[1-18]
C6731
0.1/UFV
SYS_M32R_BCLK
REC_DVA_WR1_L
REC_DVA_RD_L
SYS_WR2_L
HD_MODE0
HD_MODE1
HD_MODE2
TCK
TMS
TDI
R6733
R6734
R6735
68/J3
PB_SDTI_CS_L
PB_REC_CS_L
PB_SYS_CS_L
PB_RECH_BUSY_L
PB_BUSY_L
PREREAD_CS_N_
R6729
100/J3
R6736
1000/J3
R6737
1000/J3
PB_DATA_ENABLE
REC_DATA_ENABLE
SYS_DATA_ENABLE
RESERVE_PLD_PB
R6732
0/J3
PB_M32R_BCLK
SYS_RD_L
SYS_WR1_L
IF_NVRAM_RD_L
IF_NVRAM_CS_L
REC_ECC100_WR_LO
PB_ECC100_WR_LO
+3VD

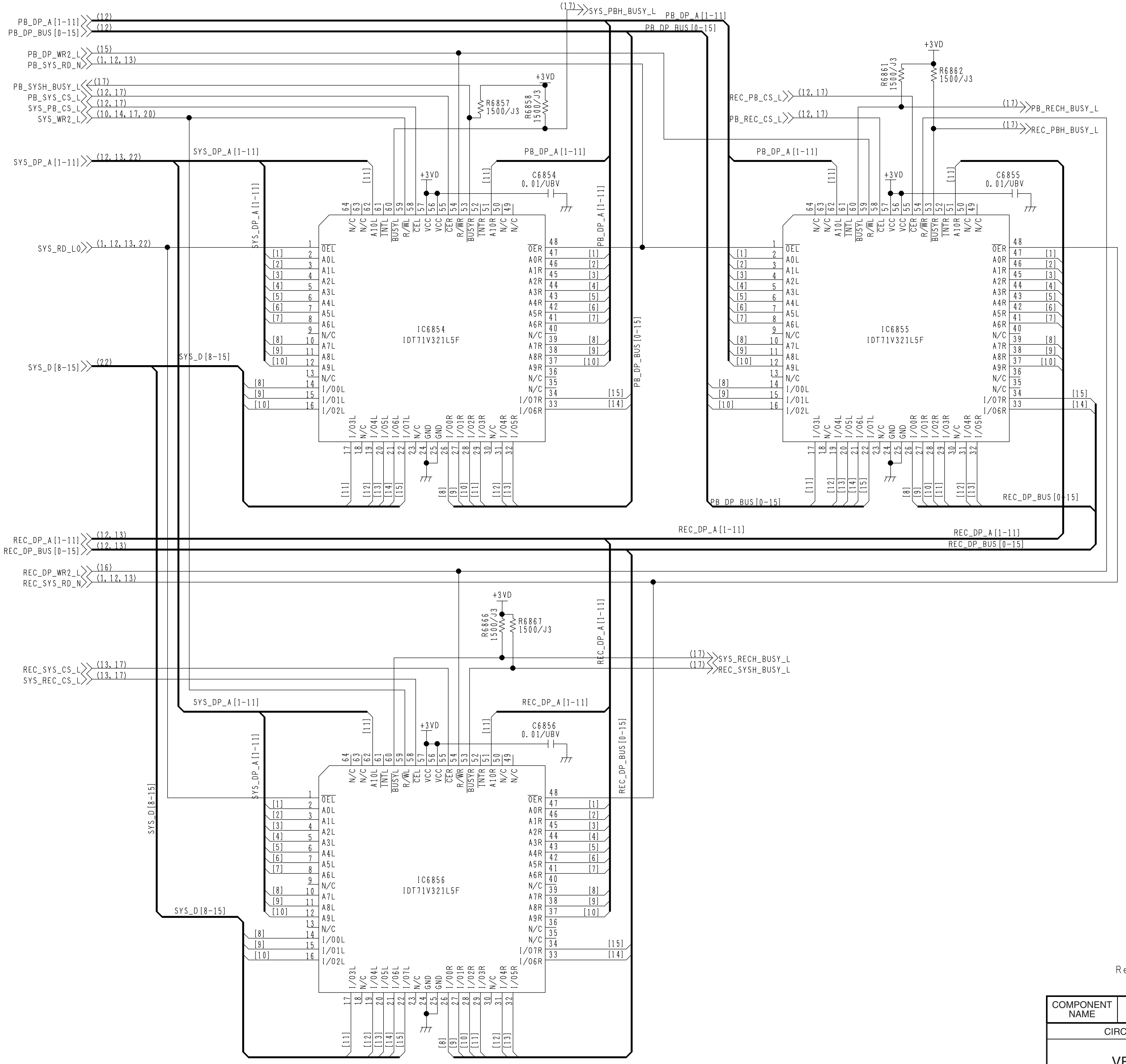
Ref No. 6729～6777 Series.

COMPONENT NAME	F6:SYSCON (PLD IF)	17/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (17/22)
		SCM100


EXTTC_OUT_L (20)
TC_THRU_L (20)
AV_NTSC_LO (20)
LTC_CLK (20)
REC_D5 [0-7] (20)
LTC_CNT [0-7] (20)
D5_TC_WR_L (20)
D5_TC_RD_L (20)
REF_COMP_SYNC (1)
TC_IN_H (1)
TC_IN_C (1)
EXTTC_IN_L (20)
TC_IN_G (1)
(13,16,21) EVEN_FRM
(21) TCGINT_L
(21) TCRINT_H
(1) WFM_TC
(1) TC_OUT_H
(1) TC_OUT_G
(1) TC_OUT_C
IC6778 MN51040VP1
IC6779 TC74HC4053AFT
IC6780 NJM2068MD-T1
IC6781 UPC4741G2-T1
IC6782 NJM4560MD
IC6783 NJM319M-T1
X6778 VSX1001
Q6778 2SB709A-RTX
Q6779 2SB709A-RTX
D6778 MA147-GTX
D6779 MA147-GTX
D6780 MA147-GTX
D6781 MA147-GTX
VR6778 PAT/VR3
TP6778 EYF6CU
TP6779 EYF6CU
TP6780 EYF6CU
TP6781 PAT/EYF6CU
TP6782 PAT/EYF6CU
CP6778
CP6779
CP6780
CP6781
+5VD
-5VD
+9VSYS
-9VSYS

PAT=PATTERN ONLY
Ref No. 6778～6853 Series.

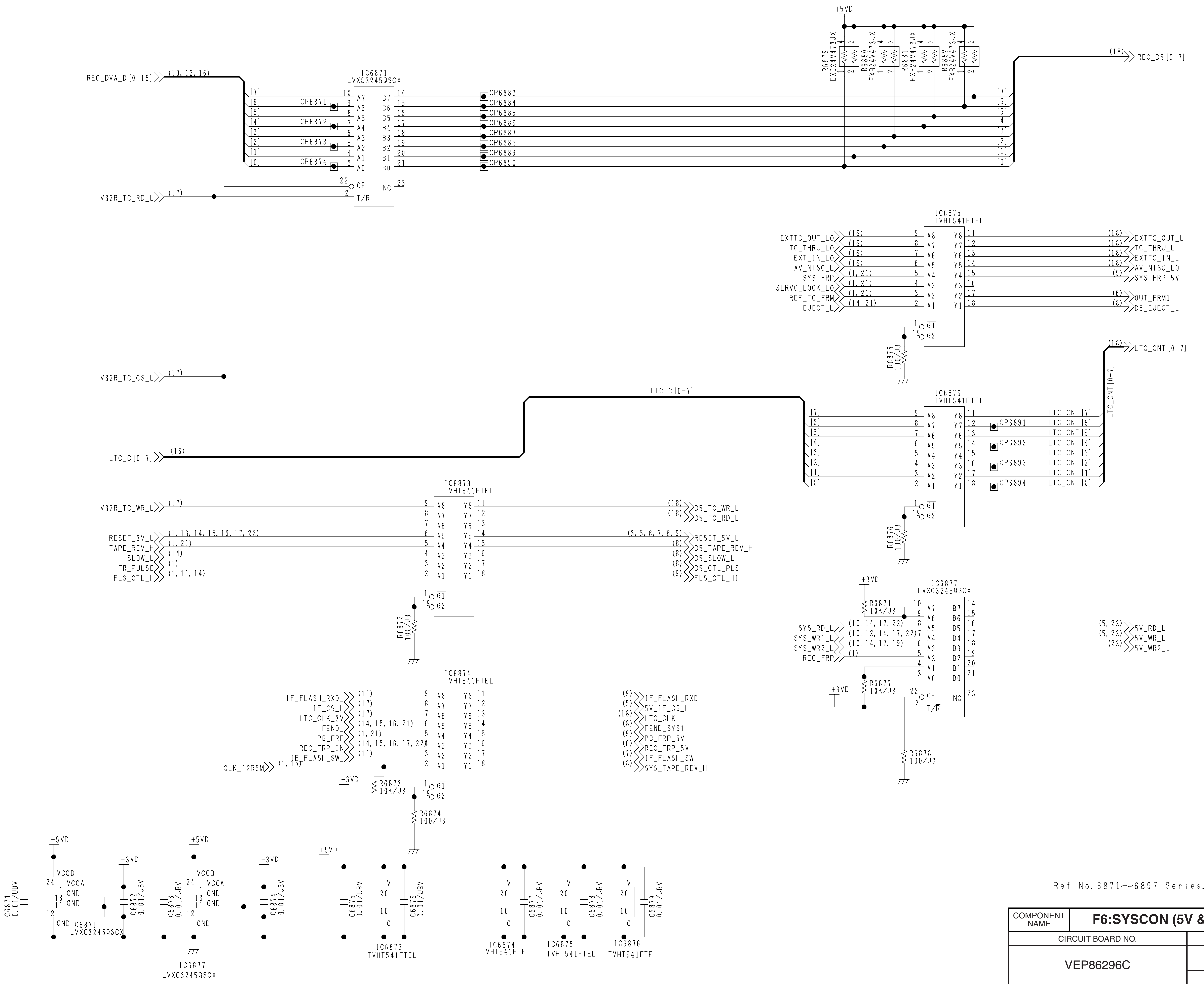
COMPONENT NAME	F6:SYSCON (AV TC)	18/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (18/22)
		SCM101


PB_DP_A[1-11] (12)
PB_DP_BUS[0-15] (12)
PB_DP_WR2_L (15)
PB_SYS_RD_N (1,12,13)
PB_SYSH_BUSY_L (17)
PB_SYS_CS_L (12,17)
SYS_PB_CS_L (12,17)
SYS_WR2_L (10,14,17,20)
SYS_DP_A[1-11] (12,13,22)
SYS_RD_LO (1,12,13,22)
SYS_D[8-15] (22)
REC_DP_A[1-11] (12,13)
REC_DP_BUS[0-15] (12,13)
REC_DP_WR2_L (16)
REC_SYS_RD_N (1,12,13)
REC_SYS_CS_L (13,17)
SYS_REC_CS_L (13,17)
(17) SYS_PBH_BUSY_L
(17) PB_RECH_BUSY_L
(17) REC_PBH_BUSY_L
(17) SYS_RECH_BUSY_L
(17) REC_SYSH_BUSY_L
REC_PB_CS_L (12,17)
PB_REC_CS_L (12,17)
+3VD
R6857 1500/J3
R6858 1500/J3
R6861 1500/J3
R6862 1500/J3
R6866 1500/J3
R6867 1500/J3
C6854 0.01/UBV
C6855 0.01/UBV
C6856 0.01/UBV
IC6854 IDT71V321L5F
IC6855 IDT71V321L5F
IC6856 IDT71V321L5F
OEL A0L A1L A2L A3L A4L A5L A6L N/C A7L A8L A9L N/C I/O0L I/O1L I/O2L
OER A0R A1R A2R A3R A4R A5R A6R N/C A7R A8R A9R N/C N/C I/O7R I/O6R
N/C N/C A10L INTL BUSYL R/WL CEL VCC VCC CER R/WR BUSYR INTR A10R N/C N/C
I/O3L N/C I/O4L I/O5L I/O6L I/O7L N/C GND GND I/O0R I/O1R I/O2R I/O3R N/C I/O4R I/O5R
SYS_DP_A[1-11]
PB_DP_A[1-11]
PB_DP_BUS[0-15]
REC_DP_A[1-11]
REC_DP_BUS[0-15]
SYS_D[8-15]

PAT=PATTERN ONLY

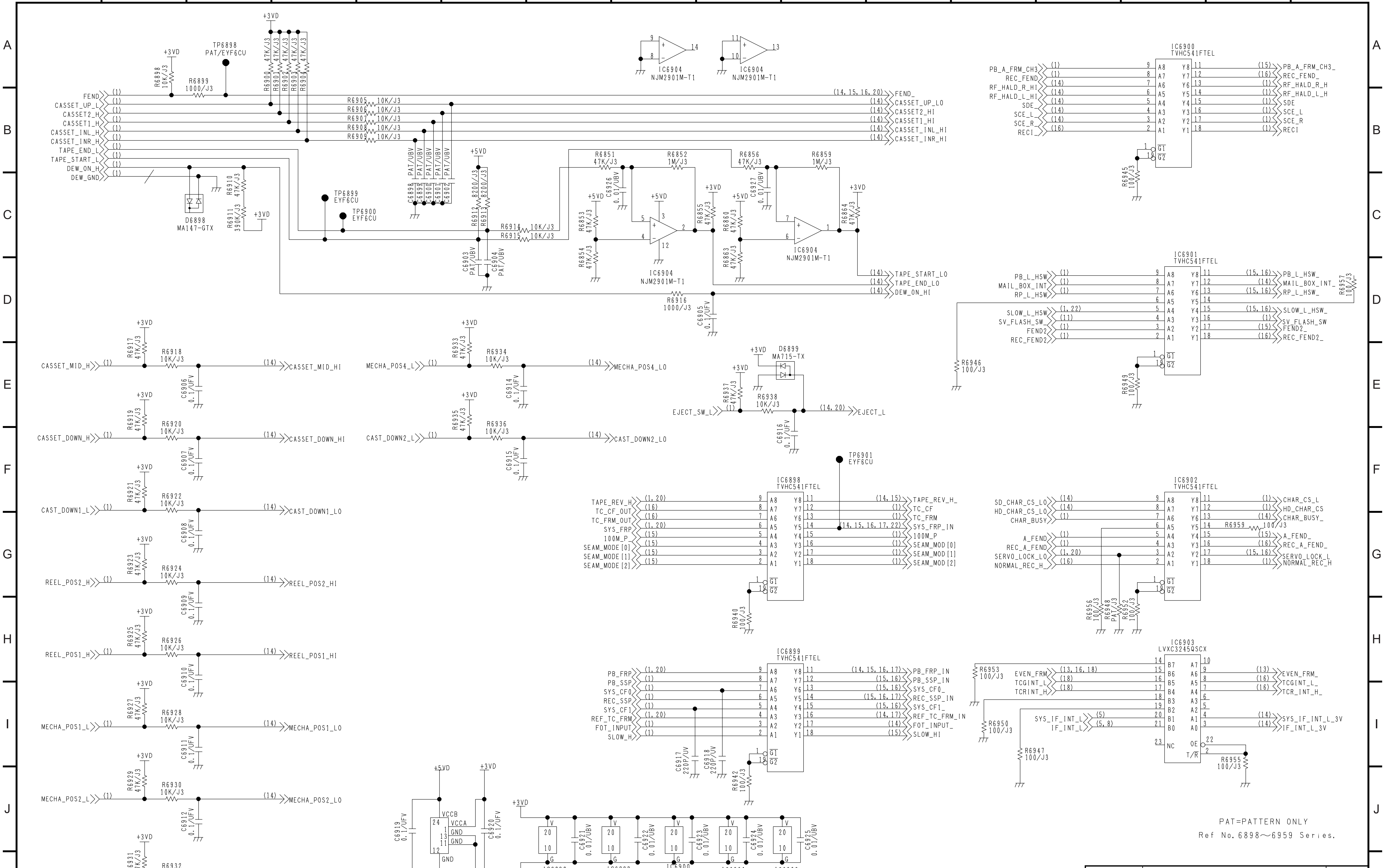
Ref No. 6854〜6870 Series.

COMPONENT NAME	F6:SYSCON (HI DL PRT)	19/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (19/22)	
	SCM102	


IC6871
LVXC3245QSCX
REC_DVA_D[0-15]
(10, 13, 16)
M32R_TC_RD_L
(17)
M32R_TC_CS_L
(17)
LTC_C[0-7]
(16)
M32R_TC_WR_L
(17)
CP6871
CP6872
CP6873
CP6874
CP6883
CP6884
CP6885
CP6886
CP6887
CP6888
CP6889
CP6890
A7
A6
A5
A4
A3
A2
A1
A0
B7
B6
B5
B4
B3
B2
B1
B0
OE
T/R
NC
+5VD
R6879
EXB24V473JX
R6880
EXB24V473JX
R6881
EXB24V473JX
R6882
EXB24V473JX
(18)
REC_D5[0-7]
IC6875
TVHT541FTEL
EXTTC_OUT_LO
(16)
TC_THRU_LO
(16)
EXT_IN_LO
(16)
AV_NTSC_L
(16)
SYS_FRP
(1, 21)
SERVO_LOCK_LO
(1, 21)
REF_TC_FRM
(1, 21)
EJECT_L
(14, 21)
(18)
EXTTC_OUT_L
(18)
TC_THRU_L
(18)
EXTTC_IN_L
(18)
AV_NTSC_LO
(9)
SYS_FRP_5V
(6)
OUT_FRM1
(8)
D5_EJECT_L
R6875
100/J3
(18)
LTC_CNT[0-7]
LTC_CNT[0-7]
LTC_C[0-7]
IC6876
TVHT541FTEL
CP6891
CP6892
CP6893
CP6894
LTC_CNT[7]
LTC_CNT[6]
LTC_CNT[5]
LTC_CNT[4]
LTC_CNT[3]
LTC_CNT[2]
LTC_CNT[1]
LTC_CNT[0]
R6876
100/J3
IC6873
TVHT541FTEL
RESET_3V_L
(1, 13, 14, 15, 16, 17, 22)
TAPE_REV_H
(1, 21)
SLOW_L
(14)
FR_PULSE
(1)
FLS_CTL_H
(1, 11, 14)
(18)
D5_TC_WR_L
(18)
D5_TC_RD_L
(3, 5, 6, 7, 8, 9)
RESET_5V_L
(8)
D5_TAPE_REV_H
(8)
D5_SLOW_L
(8)
D5_CTL_PLS
(9)
FLS_CTL_HI
R6872
100/J3
+3VD
IC6877
LVXC3245QSCX
R6871
10K/J3
SYS_RD_L
(10, 14, 17, 22)
SYS_WR1_L
(10, 12, 14, 17, 22)
SYS_WR2_L
(10, 14, 17, 19)
REC_FRP
(1)
(5, 22)
5V_RD_L
(5, 22)
5V_WR_L
(22)
5V_WR2_L
R6877
10K/J3
R6878
100/J3
IC6874
TVHT541FTEL
IF_FLASH_RXD
(11)
IF_CS_L
(17)
LTC_CLK_3V
(17)
FEND
(14, 15, 16, 21)
PB_FRP
(1, 21)
REC_FRP_IN
(14, 15, 16, 17, 22)
IF_FLASH_SW
(11)
CLK_12R5M
(1, 15)
(9)
IF_FLASH_RXD
(5)
5V_IF_CS_L
(18)
LTC_CLK
(8)
FEND_SYS1
(9)
PB_FRP_5V
(6)
REC_FRP_5V
(7)
IF_FLASH_SW
(8)
SYS_TAPE_REV_H
R6873
10K/J3
R6874
100/J3
+5VD
+3VD
VCCB
VCCA
GND
C6871
0.01/UBV
C6872
0.01/UBV
IC6871
LVXC3245QSCX
C6873
0.01/UBV
C6874
0.01/UBV
IC6877
LVXC3245QSCX
C6875
0.01/UBV
C6876
0.01/UBV
C6877
0.01/UBV
C6878
0.01/UBV
C6879
0.01/UBV
IC6873
TVHT541FTEL
IC6874
TVHT541FTEL
IC6875
TVHT541FTEL
IC6876
TVHT541FTEL

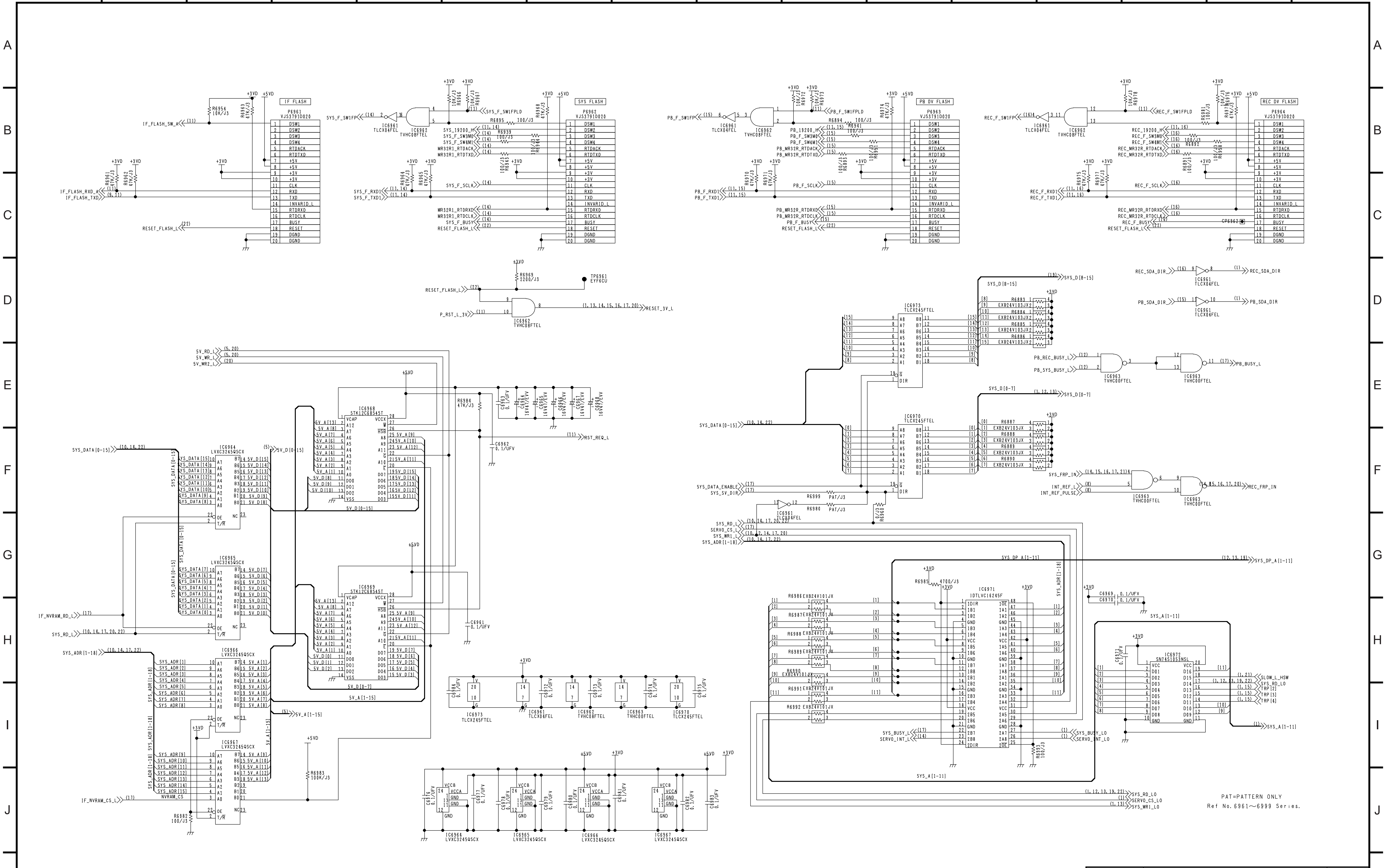
Ref No. 6871〜6897 Series.

COMPONENT NAME	F6:SYSCON (5V & DPR)	20/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (20/22)
		SCM103

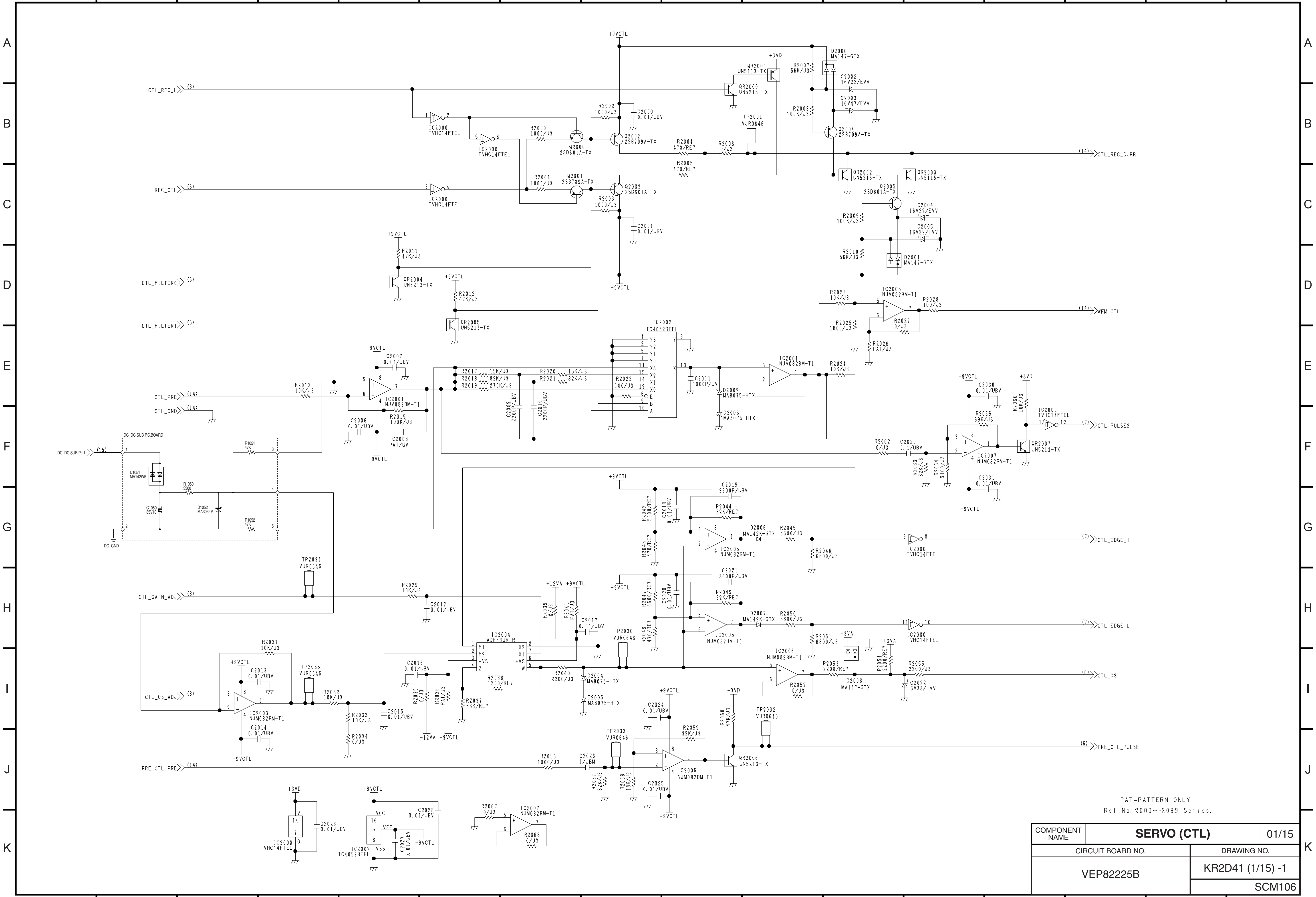


FEND
CASSET_UP_L
CASSET2_H
CASSET1_H
CASSET_INL_H
CASSET_INR_H
TAPE_END_L
TAPE_START_L
DEW_ON_H
DEW_GND
+3VD
R6898 10K/J3
R6899 1000/J3
TP6898 PAT/EYF6CU
R6900 R6901 R6902 R6903 R6904 47K/J3
R6905 10K/J3
R6906 10K/J3
R6907 10K/J3
R6908 10K/J3
R6909 10K/J3
(14,15,16,20) FEND_
(14) CASSET_UP_LO
(14) CASSET2_HI
(14) CASSET1_HI
(14) CASSET_INL_HI
(14) CASSET_INR_HI
C6898 C6899 C6900 C6901 C6902 PAT/UBV
+5VD
R6912 R6913 8200/J3
R6914 10K/J3
R6915 10K/J3
C6903 PAT/UBV
C6904 PAT/UBV
D6898 MA147-GTX
R6910 47K/J3
R6911 390K/J3
TP6899 EYF6CU
TP6900 EYF6CU
R6851 47K/J3
R6852 1M/J3
C6926 0.01/UBV
R6853 47K/J3
R6854 47K/J3
IC6904 NJM2901M-T1
R6855 47K/J3
R6856 47K/J3
R6859 1M/J3
C6927 0.01/UBV
R6860 47K/J3
R6863 47K/J3
R6864 47K/J3
(14) TAPE_START_LO
(14) TAPE_END_LO
(14) DEW_ON_HI
R6916 1000/J3
C6905 0.1/UFV
IC6900 TVHC541FTEL
PB_A_FRM_CH3 (1) A8 Y8 (15) PB_A_FRM_CH3_
REC_FEND (1) A7 Y7 (16) REC_FEND_
RF_HALD_R_HI (14) A6 Y6 (1) RF_HALD_R_H
RF_HALD_L_HI (14) A5 Y5 (1) RF_HALD_L_H
SDE_ (14) A4 Y4 (1) SDE
SCE_L_ (14) A3 Y3 (1) SCE_L
SCE_R_ (14) A2 Y2 (1) SCE_R
RECI (16) A1 Y1 (1) RECI
R6945 100/J3
IC6901 TVHC541FTEL
PB_L_HSW (1) A8 Y8 (15,16) PB_L_HSW_
MAIL_BOX_INT (1) A7 Y7 (14) MAIL_BOX_INT_
RP_L_HSW (1) A6 Y6 (15,16) RP_L_HSW_
SLOW_L_HSW (1,22) A4 Y4 (15,16) SLOW_L_HSW_
SV_FLASH_SW (11) A3 Y3 (1) SV_FLASH_SW
FEND2 (1) A2 Y2 (15) FEND2_
REC_FEND2 (1) A1 Y1 (16) REC_FEND2_
R6957 100/J3
R6946 100/J3
R6949 100/J3
CASSET_MID_H (1) R6917 47K/J3 R6918 10K/J3 C6906 0.1/UFV (14) CASSET_MID_HI
CASSET_DOWN_H (1) R6919 47K/J3 R6920 10K/J3 C6907 0.1/UFV (14) CASSET_DOWN_HI
CAST_DOWN1_L (1) R6921 47K/J3 R6922 10K/J3 C6908 0.1/UFV (14) CAST_DOWN1_LO
REEL_POS2_H (1) R6923 47K/J3 R6924 10K/J3 C6909 0.1/UFV (14) REEL_POS2_HI
REEL_POS1_H (1) R6925 47K/J3 R6926 10K/J3 C6910 0.1/UFV (14) REEL_POS1_HI
MECHA_POS1_L (1) R6927 47K/J3 R6928 10K/J3 C6911 0.1/UFV (14) MECHA_POS1_LO
MECHA_POS2_L (1) R6929 47K/J3 R6930 10K/J3 C6912 0.1/UFV (14) MECHA_POS2_LO
MECHA_POS3_L (1) R6931 47K/J3 R6932 10K/J3 C6913 0.1/UFV (14) MECHA_POS3_LO
MECHA_POS4_L (1) R6933 47K/J3 R6934 10K/J3 C6914 0.1/UFV (14) MECHA_POS4_LO
CAST_DOWN2_L (1) R6935 47K/J3 R6936 10K/J3 C6915 0.1/UFV (14) CAST_DOWN2_LO
D6899 MA715-TX
EJECT_SW_L (1) R6937 47K/J3 R6938 10K/J3 C6916 0.1/UFV (14,20) EJECT_L
TP6901 EYF6CU
IC6898 TVHC541FTEL
TAPE_REV_H (1,20) A8 Y8 (14,15) TAPE_REV_H_
TC_CF_OUT (16) A7 Y7 (1) TC_CF
TC_FRM_OUT (16) A6 Y6 (1) TC_FRM
SYS_FRP (1,20) A5 Y5 (14,15,16,17,22) SYS_FRP_IN
100M_P (15) A4 Y4 (1) 100M_P
SEAM_MODE[0] (15) A3 Y3 (1) SEAM_MOD[0]
SEAM_MODE[1] (15) A2 Y2 (1) SEAM_MOD[1]
SEAM_MODE[2] (15) A1 Y1 (1) SEAM_MOD[2]
R6940 100/J3
IC6902 TVHC541FTEL
SD_CHAR_CS_LO (14) A8 Y8 (1) CHAR_CS_L
HD_CHAR_CS_LO (14) A7 Y7 (1) HD_CHAR_CS
CHAR_BUSY (1) A6 Y6 (14) CHAR_BUSY_
R6959 100/J3
A_FEND (1) A4 Y4 (15) A_FEND_
REC_A_FEND (1) A3 Y3 (16) REC_A_FEND_
SERVO_LOCK_LO (1,20) A2 Y2 (15,16) SERVO_LOCK_L
NORMAL_REC_H (16) A1 Y1 (1) NORMAL_REC_H
R6956 100/J3
R6948 PAT/J3
R6952 100/J3
IC6899 TVHC541FTEL
PB_FRP (1,20) A8 Y8 (14,15,16,17) PB_FRP_IN
PB_SSP (1) A7 Y7 (15,16) PB_SSP_IN
SYS_CF0 (1) A6 Y6 (15,16) SYS_CF0_
REC_SSP (1) A5 Y5 (15,16,17) REC_SSP_IN
SYS_CF1 (1) A4 Y4 (15,16) SYS_CF1_
REF_TC_FRM (1,20) A3 Y3 (14,17) REF_TC_FRM_IN
FOT_INPUT (1) A2 Y2 (14) FOT_INPUT_
SLOW_H (1) A1 Y1 (15) SLOW_HI
C6917 220P/UV
C6918 220P/UV
R6942 100/J3
IC6903 LVXC3245QSCX
R6953 100/J3
EVEN_FRM (13,16,18) B6 A6 (13) EVEN_FRM_
TCGINT_L (18) B5 A5 (16) TCGINT_L_
TCRINT_H (18) B4 A4 (16) TCR_INT_H_
SYS_IF_INT_L (5) B1 A1 (14) SYS_IF_INT_L_3V
IF_INT_L (5,8) B0 A0 (14) IF_INT_L_3V
R6950 100/J3
R6947 100/J3
R6955 100/J3
NC OE T/R
IC6903 LVXC3245QSCX VCCB VCCA GND
C6919 0.1/UFV
C6920 0.1/UFV
C6921 C6922 C6923 C6924 C6925 0.01/UBV
IC6898 IC6899 IC6900 IC6901 IC6902 TVHC541FTEL
PAT=PATTERN ONLY
Ref No.6898～6959 Series.

COMPONENT NAME	F6:SYSCON (3V BUFF)	21/22
CIRCUIT BOARD NO.		DRAWING NO.
VEP86296C		KR6S29 (21/22)
		SCM104


IF FLASH
P6961
VJS3791D020
SYS FLASH
P6962
PB DV FLASH
P6963
REC DV FLASH
P6964
IC6961 TLCX04FEL
IC6962 TVHC08FTEL
IC6963 TVHC00FTEL
IC6964 LVXC3245QSCX
IC6965 LVXC3245QSCX
IC6966 LVXC3245QSCX
IC6967 LVXC3245QSCX
IC6968 STK12C68545T
IC6969 STK12C68545T
IC6970 TLCX245FTEL
IC6971 IDTLVC16245F
IC6972 SN74S1053NSL
IC6973 TLCX245FTEL
TP6961 EYF6CU
PAT=PATTERN ONLY
Ref No. 6961～6999 Series.

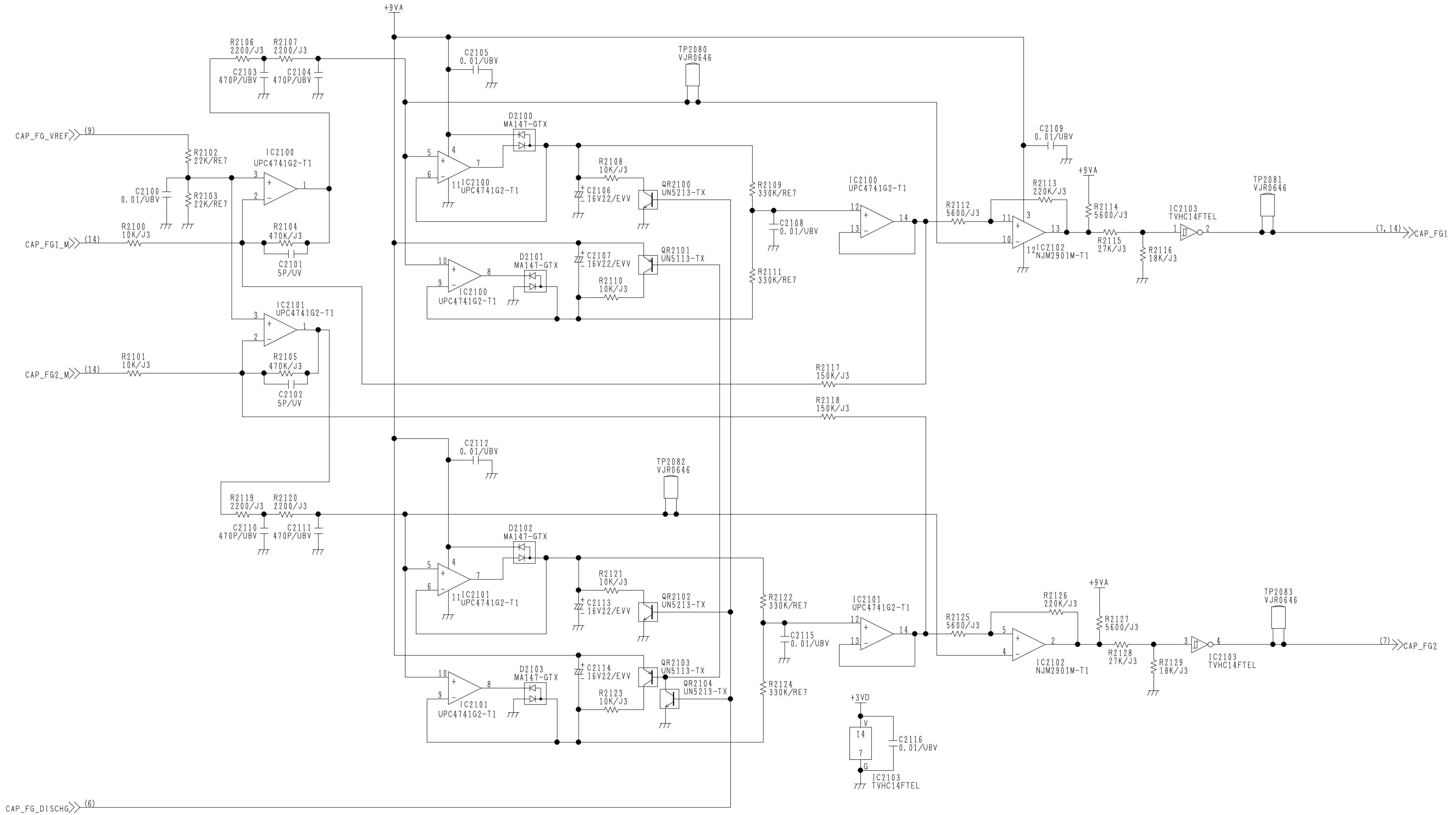
COMPONENT NAME	F6:SYSCON (FLASH)	22/22
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86296C	KR6S29 (22/22)	
	SCM105	


CTL_REC_L (6)
REC_CTL (6)
CTL_FILTER0 (6)
CTL_FILTER1 (6)
CTL_PRE (14)
CTL_GND (14)
DC_DC SUB Pin1 (15)
DC_GND
DC_DC SUB P.C.BOARD
D1051 MA142WK
C1050 35V10
R1050 3300
D1052 MA3062M
R1051 47K
R1052 47K
CTL_GAIN_ADJ (8)
CTL_OS_ADJ (8)
PRE_CTL_PRE (14)
(14) CTL_REC_CURR
(14) WFM_CTL
(7) CTL_PULSE2
(7) CTL_EDGE_H
(7) CTL_EDGE_L
(6) CTL_OS
(6) PRE_CTL_PULSE
+9VCTL
-9VCTL
+3VD
+3VA
+12VA
-12VA
IC2000 TVHC14FTEL
IC2001 NJM082BM-T1
IC2002 TC4052BFEL
IC2003 NJM082BM-T1
IC2004 AD633JR-R
IC2005 NJM082BM-T1
IC2006 NJM082BM-T1
IC2007 NJM082BM-T1
Q2000 2SD601A-TX
Q2001 2SB709A-TX
Q2002 2SB709A-TX
Q2003 2SD601A-TX
Q2004 2SB709A-TX
Q2005 2SD601A-TX
QR2000 UN5213-TX
QR2001 UN5113-TX
QR2002 UN5215-TX
QR2003 UN5115-TX
QR2004 UN5213-TX
QR2005 UN5213-TX
QR2006 UN5213-TX
QR2007 UN5213-TX
D2000 MA147-GTX
D2001 MA147-GTX
D2002 MA8075-HTX
D2003 MA8075-HTX
D2004 MA8075-HTX
D2005 MA8075-HTX
D2006 MA142K-GTX
D2007 MA142K-GTX
D2008 MA147-GTX
TP2001 VJR0646
TP2030 VJR0646
TP2032 VJR0646
TP2033 VJR0646
TP2034 VJR0646
TP2035 VJR0646
R2000 1000/J3
R2001 1000/J3
R2002 1000/J3
R2003 1000/J3
R2004 470/RE7
R2005 470/RE7
R2006 0/J3
R2007 56K/J3
R2008 100K/J3
R2009 100K/J3
R2010 56K/J3
R2011 47K/J3
R2012 47K/J3
R2013 10K/J3
R2015 100K/J3
R2017 15K/J3
R2018 82K/J3
R2019 270K/J3
R2020 15K/J3
R2021 82K/J3
R2022 100/J3
R2023 10K/J3
R2024 10K/J3
R2025 1800/J3
R2026 PAT/J3
R2027 0/J3
R2028 100/J3
R2029 10K/J3
R2031 10K/J3
R2032 10K/J3
R2033 10K/J3
R2034 0/J3
R2035 0/J3
R2036 PAT/J3
R2037 56K/RE7
R2038 1200/RE7
R2039 0/J3
R2040 2200/J3
R2041 PAT/J3
R2042 5600/RE7
R2043 470/RE7
R2044 82K/RE7
R2045 5600/J3
R2046 6800/J3
R2047 5600/RE7
R2048 470/RE7
R2049 82K/RE7
R2050 5600/J3
R2051 6800/J3
R2052 0/J3
R2053 2200/RE7
R2054 2200/RE7
R2055 2200/J3
R2056 1000/J3
R2057 82K/J3
R2058 18K/J3
R2059 39K/J3
R2060 47K/J3
R2062 0/J3
R2063 82K/J3
R2064 9100/J3
R2065 39K/J3
R2066 10K/J3
R2067 0/J3
R2068 0/J3
C2000 0.01/UBV
C2001 0.01/UBV
C2002 16V22/EVV
C2003 16V47/EVV
C2004 16V22/EVV
C2005 16V22/EVV
C2006 0.01/UBV
C2007 0.01/UBV
C2008 PAT/UV
C2009 2200P/UBV
C2010 2200P/UBV
C2011 1000P/UV
C2012 0.01/UBV
C2013 0.01/UBV
C2014 0.01/UBV
C2015 0.01/UBV
C2016 0.01/UBV
C2017 0.01/UBV
C2018 0.01/UBV
C2019 3300P/UBV
C2020 0.01/UBV
C2021 3300P/UBV
C2022 6V33/EVV
C2023 1/UBM
C2024 0.01/UBV
C2025 0.01/UBV
C2026 0.01/UBV
C2027 0.01/UBV
C2028 0.01/UBV
C2029 0.1/UBV
C2030 0.01/UBV
C2031 0.01/UBV

PAT=PATTERN ONLY

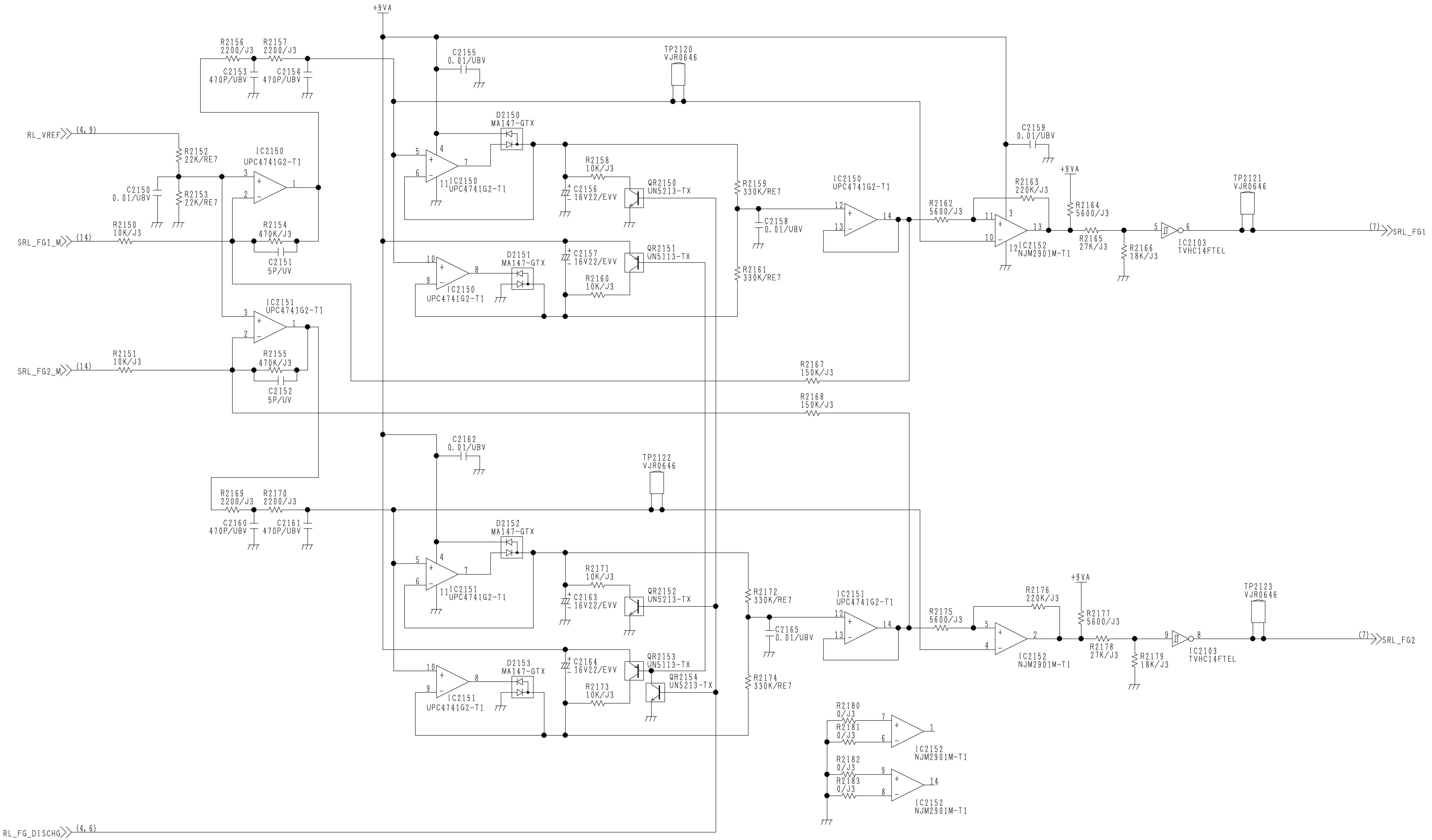
Ref No. 2000～2099 Series.

COMPONENT NAME	SERVO (CTL)	01/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82225B	KR2D41 (1/15) -1	
	SCM106	


+9VA
R2106
2200/J3
R2107
2200/J3
C2103
470P/UBV
C2104
470P/UBV
C2105
0.01/UBV
TP2080
VJR0646
D2100
MA147-GTX
CAP_FG_VREF
(9)
R2102
22K/RE7
IC2100
UPC4741G2-T1
C2100
0.01/UBV
R2103
22K/RE7
R2108
10K/J3
C2106
16V22/EVV
QR2100
UN5213-TX
R2109
330K/RE7
IC2100
UPC4741G2-T1
C2108
0.01/UBV
C2109
0.01/UBV
+9VA
R2113
220K/J3
R2114
5600/J3
IC2103
TVHC14FTEL
TP2081
VJR0646
R2112
5600/J3
R2115
27K/J3
R2116
18K/J3
IC2102
NJM2901M-T1
(7,14)
CAP_FG1
CAP_FG1_M
(14)
R2100
10K/J3
R2104
470K/J3
C2101
5P/UV
C2107
16V22/EVV
QR2101
UN5113-TX
D2101
MA147-GTX
IC2100
UPC4741G2-T1
R2110
10K/J3
R2111
330K/RE7
IC2101
UPC4741G2-T1
CAP_FG2_M
(14)
R2101
10K/J3
R2105
470K/J3
C2102
5P/UV
R2117
150K/J3
R2118
150K/J3
C2112
0.01/UBV
TP2082
VJR0646
R2119
2200/J3
R2120
2200/J3
C2110
470P/UBV
C2111
470P/UBV
D2102
MA147-GTX
IC2101
UPC4741G2-T1
R2121
10K/J3
C2113
16V22/EVV
QR2102
UN5213-TX
R2122
330K/RE7
IC2101
UPC4741G2-T1
C2115
0.01/UBV
R2125
5600/J3
+9VA
R2126
220K/J3
R2127
5600/J3
TP2083
VJR0646
R2128
27K/J3
R2129
18K/J3
IC2102
NJM2901M-T1
IC2103
TVHC14FTEL
(7)
CAP_FG2
C2114
16V22/EVV
QR2103
UN5113-TX
QR2104
UN5213-TX
D2103
MA147-GTX
IC2101
UPC4741G2-T1
R2123
10K/J3
R2124
330K/RE7
+3VD
C2116
0.01/UBV
IC2103
TVHC14FTEL
CAP_FG_DISCHG
(6)

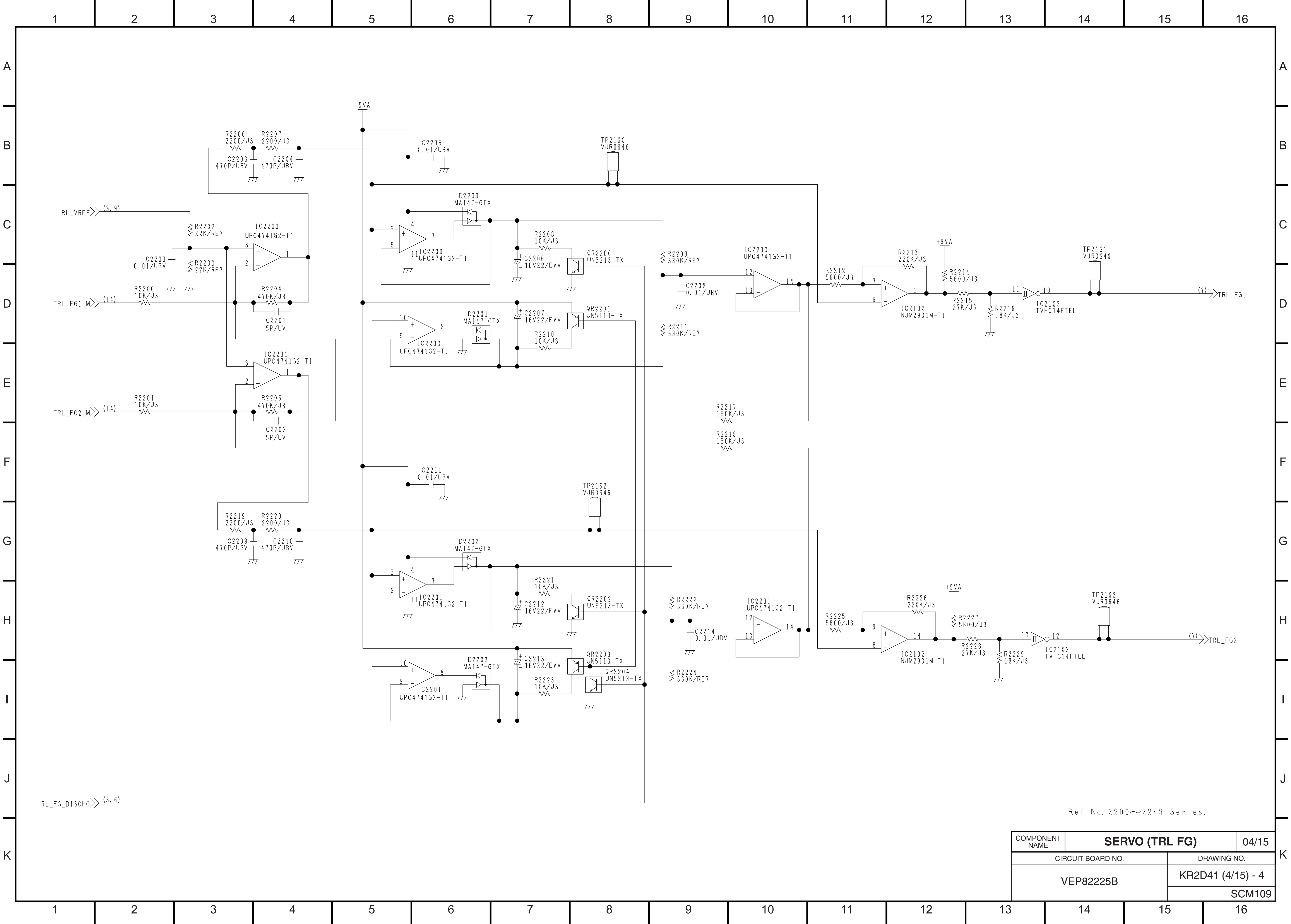
Ref No. 2100～2149 Series.

COMPONENT NAME	**SERVO (CAP FG)**	02/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (2/15) - 2
		SCM107


+9VA
R2156 2200/J3
R2157 2200/J3
C2153 470P/UBV
C2154 470P/UBV
C2155 0.01/UBV
TP2120 VJR0646
RL_VREF
(4, 9)
R2152 22K/RE7
R2153 22K/RE7
C2150 0.01/UBV
IC2150 UPC4741G2-T1
D2150 MA147-GTX
R2158 10K/J3
C2156 16V22/EVV
QR2150 UN5213-TX
R2159 330K/RE7
C2158 0.01/UBV
IC2150 UPC4741G2-T1
C2159 0.01/UBV
R2162 5600/J3
R2163 220K/J3
+9VA
R2164 5600/J3
R2165 27K/J3
R2166 18K/J3
IC2152 NJM2901M-T1
IC2103 TVHC14FTEL
TP2121 VJR0646
(7)
SRL_FG1
SRL_FG1_M
(14)
R2150 10K/J3
R2154 470K/J3
C2151 5P/UV
D2151 MA147-GTX
C2157 16V22/EVV
QR2151 UN5113-TX
R2160 10K/J3
R2161 330K/RE7
IC2151 UPC4741G2-T1
R2151 10K/J3
SRL_FG2_M
(14)
R2155 470K/J3
C2152 5P/UV
R2167 150K/J3
R2168 150K/J3
C2162 0.01/UBV
TP2122 VJR0646
R2169 2200/J3
R2170 2200/J3
C2160 470P/UBV
C2161 470P/UBV
D2152 MA147-GTX
IC2151 UPC4741G2-T1
R2171 10K/J3
C2163 16V22/EVV
QR2152 UN5213-TX
R2172 330K/RE7
C2165 0.01/UBV
IC2151 UPC4741G2-T1
R2175 5600/J3
R2176 220K/J3
+9VA
R2177 5600/J3
R2178 27K/J3
R2179 18K/J3
IC2152 NJM2901M-T1
IC2103 TVHC14FTEL
TP2123 VJR0646
(7)
SRL_FG2
D2153 MA147-GTX
C2164 16V22/EVV
QR2153 UN5113-TX
QR2154 UN5213-TX
R2173 10K/J3
R2174 330K/RE7
IC2151 UPC4741G2-T1
R2180 0/J3
R2181 0/J3
IC2152 NJM2901M-T1
R2182 0/J3
R2183 0/J3
IC2152 NJM2901M-T1
RL_FG_DISCHG
(4, 6)

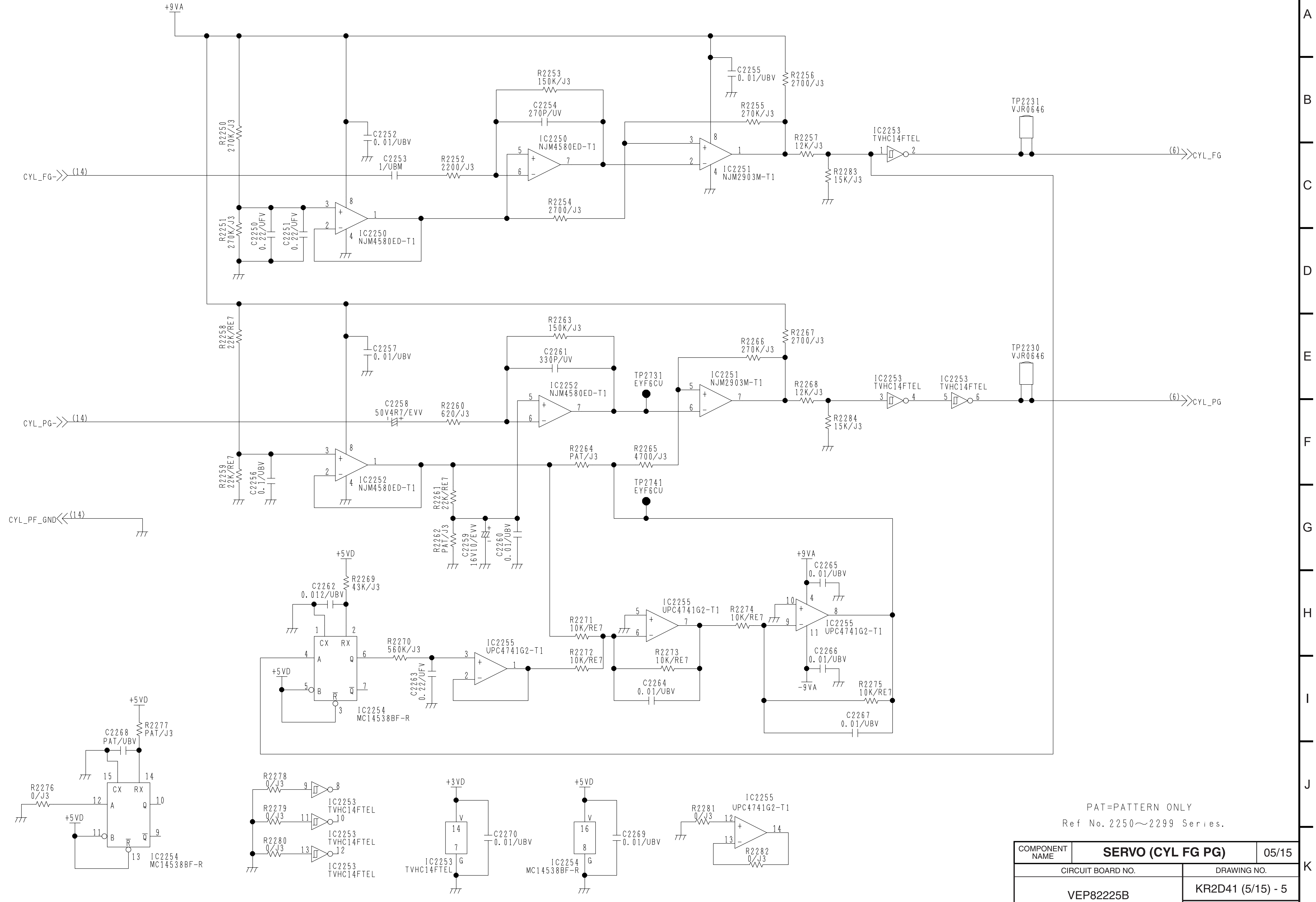
Ref No. 2150～2199 Series.

COMPONENT NAME	SERVP (SRL FG)	03/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82225B	KR2D41 (3/15) - 3	
	SCM108	


+9VA
R2206
2200/J3
R2207
2200/J3
C2203
470P/UBV
C2204
470P/UBV
C2205
0.01/UBV
TP2160
VJR0646
D2200
MA147-GTX
RL_VREF
(3,9)
R2202
22K/RE7
IC2200
UPC4741G2-T1
C2200
0.01/UBV
R2203
22K/RE7
IC2200
UPC4741G2-T1
R2208
10K/J3
C2206
16V22/EVV
QR2200
UN5213-TX
R2209
330K/RE7
IC2200
UPC4741G2-T1
C2208
0.01/UBV
R2212
5600/J3
R2213
220K/J3
+9VA
R2214
5600/J3
R2215
27K/J3
R2216
18K/J3
IC2102
NJM2901M-T1
IC2103
TVHC14FTEL
TP2161
VJR0646
(7)
TRL_FG1
TRL_FG1_M
(14)
R2200
10K/J3
R2204
470K/J3
C2201
5P/UV
D2201
MA147-GTX
IC2200
UPC4741G2-T1
C2207
16V22/EVV
R2210
10K/J3
QR2201
UN5113-TX
R2211
330K/RE7
IC2201
UPC4741G2-T1
TRL_FG2_M
(14)
R2201
10K/J3
R2205
470K/J3
C2202
5P/UV
R2217
150K/J3
R2218
150K/J3
C2211
0.01/UBV
TP2162
VJR0646
R2219
2200/J3
R2220
2200/J3
C2209
470P/UBV
C2210
470P/UBV
D2202
MA147-GTX
IC2201
UPC4741G2-T1
R2221
10K/J3
C2212
16V22/EVV
QR2202
UN5213-TX
R2222
330K/RE7
IC2201
UPC4741G2-T1
C2214
0.01/UBV
R2225
5600/J3
R2226
220K/J3
+9VA
R2227
5600/J3
R2228
27K/J3
R2229
18K/J3
IC2102
NJM2901M-T1
IC2103
TVHC14FTEL
TP2163
VJR0646
(7)
TRL_FG2
D2203
MA147-GTX
IC2201
UPC4741G2-T1
C2213
16V22/EVV
R2223
10K/J3
QR2203
UN5113-TX
QR2204
UN5213-TX
R2224
330K/RE7
RL_FG_DISCHG
(3,6)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

Ref No. 2200～2249 Series.

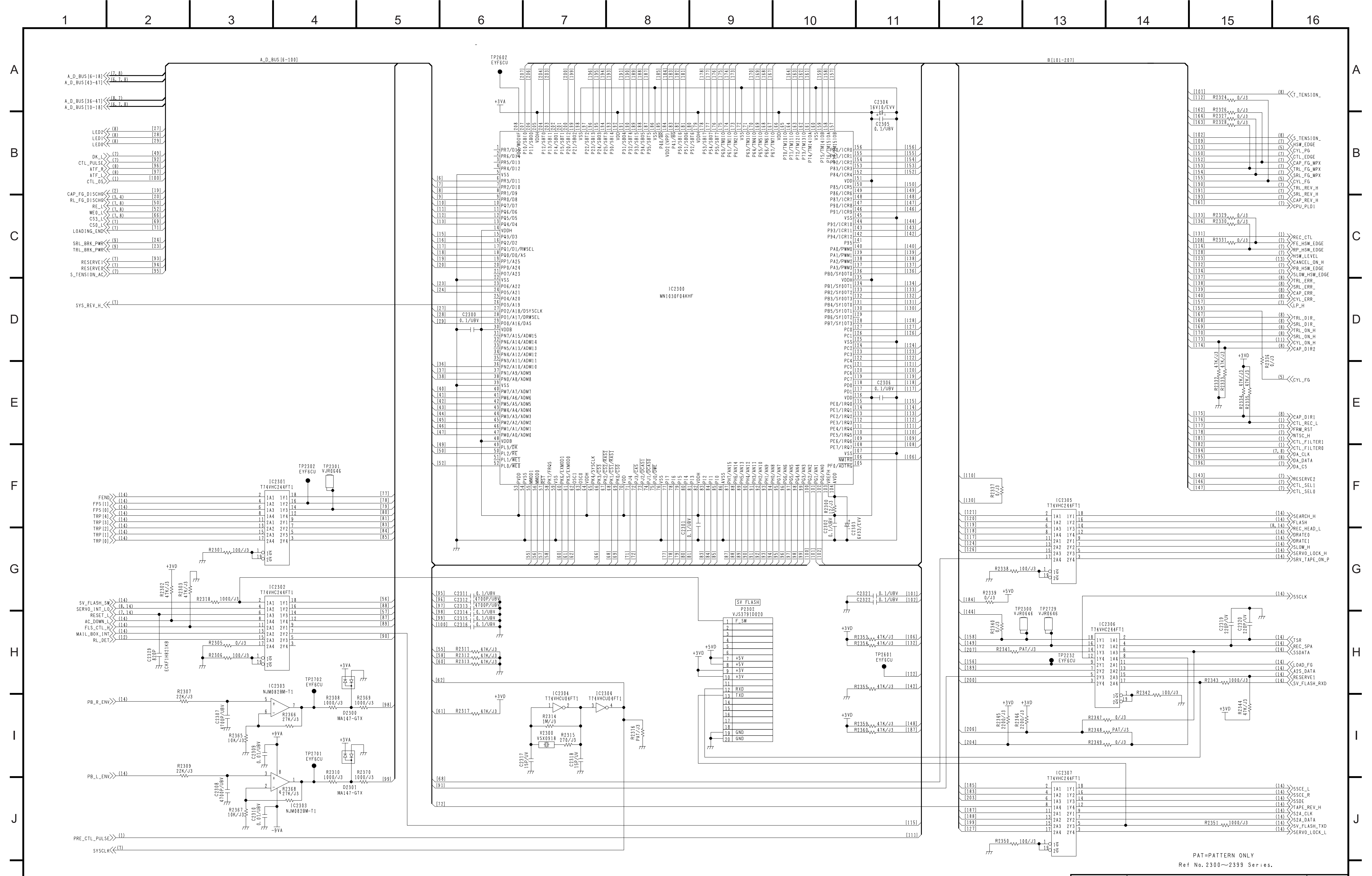
COMPONENT NAME	SERVO (TRL FG)	04/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (4/15) - 4
		SCM109


+9VA
CYL_FG (14)
CYL_PG (14)
CYL_PF_GND (14)
R2250 270K/J3
R2251 270K/J3
C2250 0.22/UFV
C2251 0.22/UFV
C2252 0.01/UBV
C2253 1/UBM
R2252 2200/J3
IC2250 NJM4580ED-T1
R2253 150K/J3
C2254 270P/UV
R2254 2700/J3
C2255 0.01/UBV
R2256 2700/J3
R2255 270K/J3
IC2251 NJM2903M-T1
R2257 12K/J3
R2283 15K/J3
IC2253 TVHC14FTEL
TP2231 VJR0646
(6) CYL_FG
R2258 22K/RE7
R2259 22K/RE7
C2256 0.1/UBV
C2257 0.01/UBV
C2258 50V4R7/EVV
R2260 620/J3
IC2252 NJM4580ED-T1
R2263 150K/J3
C2261 330P/UV
TP2731 EYF6CU
R2267 2700/J3
R2266 270K/J3
IC2251 NJM2903M-T1
R2268 12K/J3
R2284 15K/J3
IC2253 TVHC14FTEL
TP2230 VJR0646
(6) CYL_PG
R2264 PAT/J3
R2265 4700/J3
TP2741 EYF6CU
R2261 22K/RE7
R2262 PAT/J3
C2259 16V10/EVV
C2260 0.01/UBV
+5VD
R2269 43K/J3
C2262 0.012/UBV
CX RX A B Q
IC2254 MC14538BF-R
R2270 560K/J3
C2263 0.22/UFV
IC2255 UPC4741G2-T1
R2271 10K/RE7
R2272 10K/RE7
R2273 10K/RE7
C2264 0.01/UBV
R2274 10K/RE7
C2265 0.01/UBV
C2266 0.01/UBV
-9VA
R2275 10K/RE7
C2267 0.01/UBV
R2277 PAT/J3
C2268 PAT/UBV
R2276 0/J3
R2278 0/J3
R2279 0/J3
R2280 0/J3
+3VD
C2270 0.01/UBV
IC2253 TVHC14FTEL
C2269 0.01/UBV
R2281 0/J3
R2282 0/J3

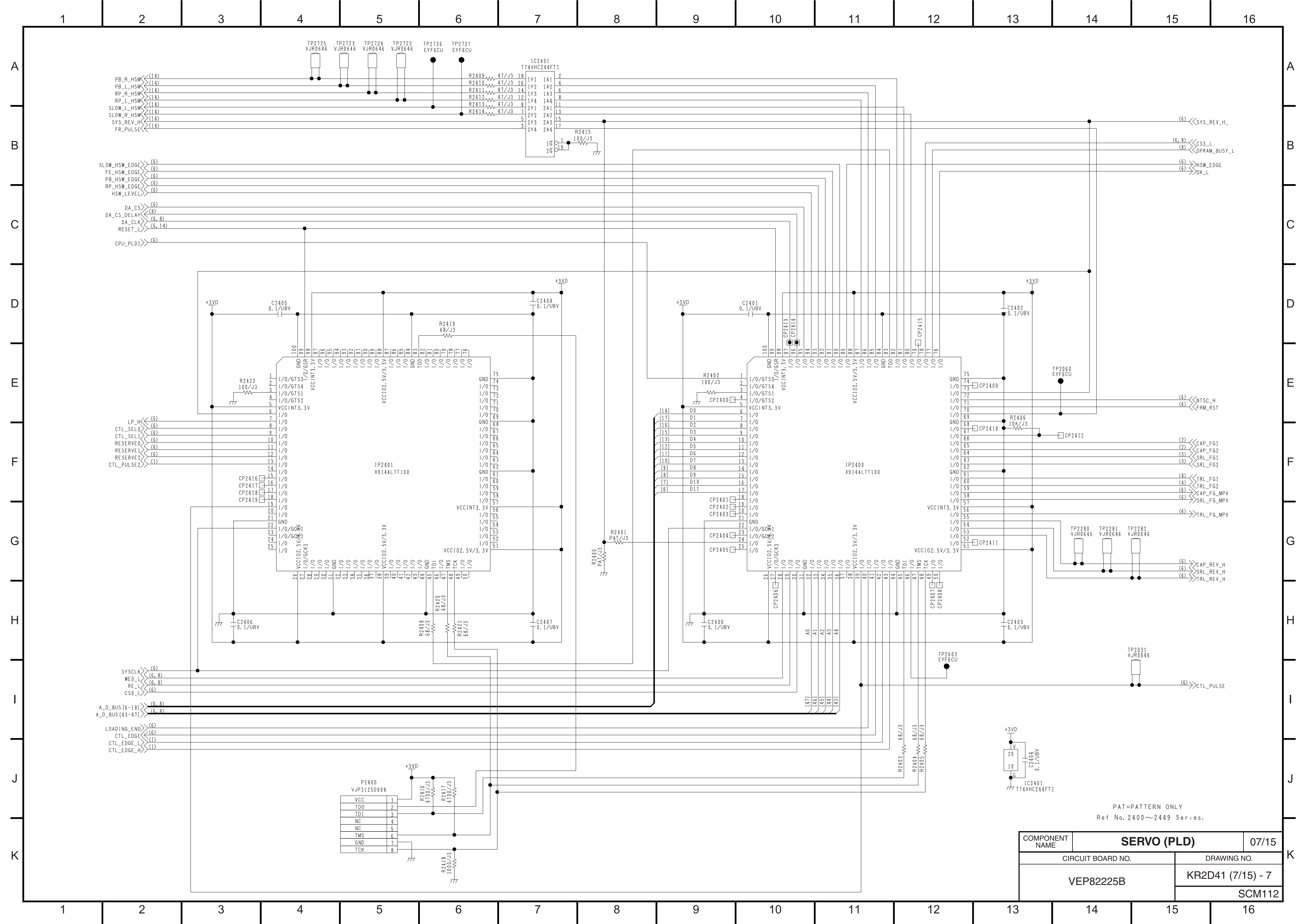
PAT=PATTERN ONLY

Ref No. 2250～2299 Series.

COMPONENT NAME	SERVO (CYL FG PG)	05/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82225B	KR2D41 (5/15) - 5	
	SCM110	

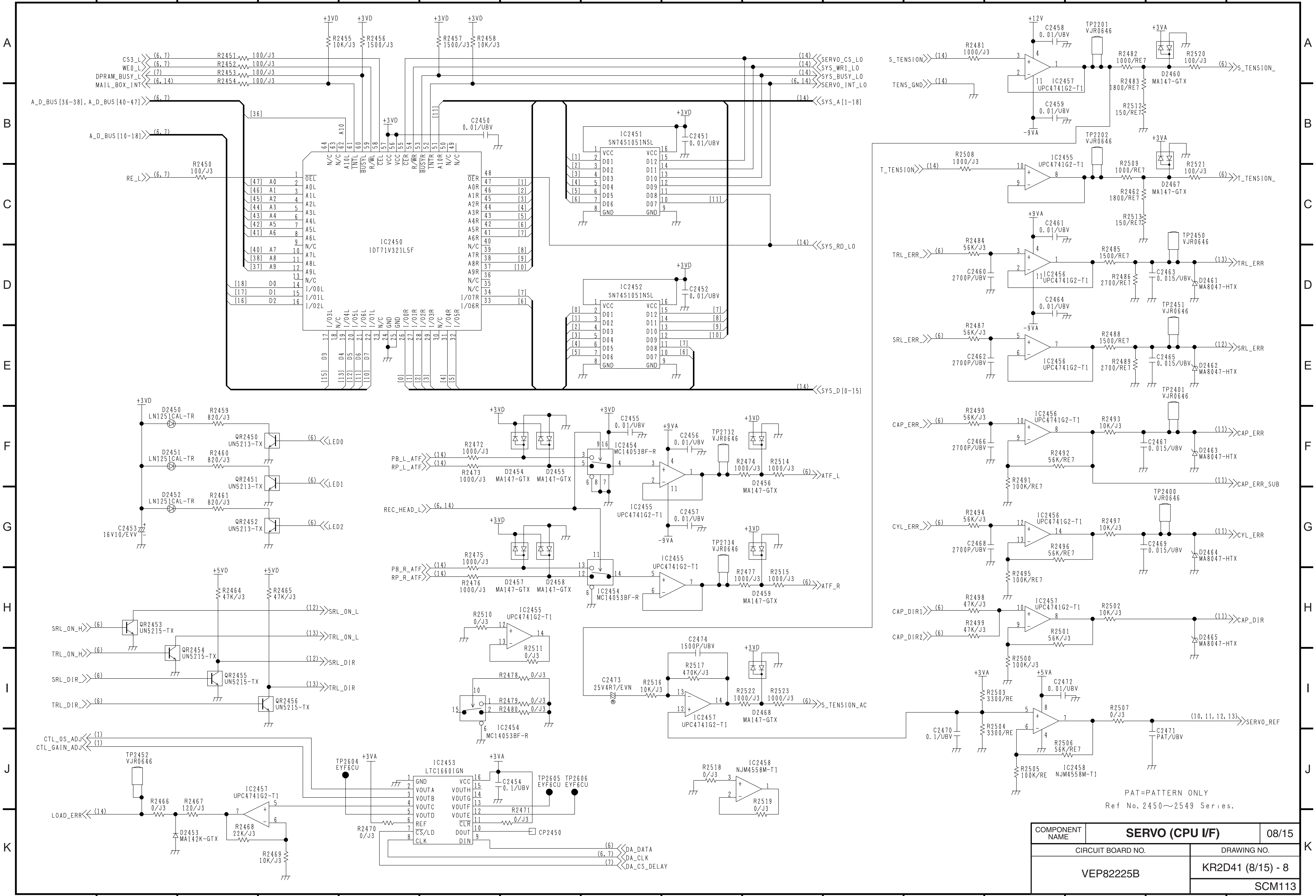

A_D_BUS[6-100]
B[101-207]
TP2602
EYF6CU
IC2300
MN1030F04KHF
C2304
16V10/EVV
C2305
0.1/UBV
C2300
0.1/UBV
C2306
0.1/UBV
C2301
0.1/UBV
C2302
0.1/UBV
C2303
6V33/EVV
R2300
A_D_BUS[6-18]
A_D_BUS[43-47]
A_D_BUS[36-41]
A_D_BUS[10-18]
LED2
LED1
LED0
DK_L
CTL_PULSE
ATF_R
ATF_L
CTL_OS
CAP_FG_DISCHG
RL_FG_DISCHG
RE_L
WE0_L
CS3_L
CS0_L
LOADING_END
SRL_BRK_PWR
TRL_BRK_PWR
RESERVE1
RESERVE0
S_TENSION_AC
SYS_REV_H
TP2302
EYF6CU
TP2301
VJR0646
IC2301
T74VHC244FT1
FEND
FPS[1]
FPS[0]
TRP[4]
TRP[3]
TRP[2]
TRP[1]
TRP[0]
R2301 100/J3
IC2302
T74VHC244FT1
SV_FLASH_SW
SERVO_INT_LO
RESET_L
AC_DOWN_L
FLS_CTL_H
MAIL_BOX_INT
RL_DET
R2302 47K/J3
R2303 47K/J3
R2318 1000/J3
R2305 0/J3
R2306 100/J3
C2329 820P ECKF1H821KB
IC2303
NJM082BM-T1
PB_R_ENV
R2307 22K/J3
C2307 4700P/UBV
R2365 10K/J3
R2366 27K/J3
TP2702
EYF6CU
R2308 1000/J3
R2369 1000/J3
D2300
MA147-GTX
C2309 0.01/UBV
PB_L_ENV
R2309 22K/J3
C2308 4700P/UBV
R2367 10K/J3
R2368 27K/J3
C2310 0.01/UBV
TP2701
EYF6CU
R2310 1000/J3
R2370 1000/J3
D2301
MA147-GTX
PRE_CTL_PULSE
SYSCLK
C2311 0.1/UBV
C2312 4700P/UBV
C2313 4700P/UBV
C2314 0.1/UBV
C2315 0.1/UBV
C2316 0.1/UBV
R2311 47K/J3
R2312 47K/J3
R2313 47K/J3
R2317 47K/J3
IC2304
T74VHCU04FT1
R2314 1M/J3
X2300
VSX0918
R2315 270/J3
C2317 15P/UV
C2318 15P/UV
R2316 PAT/J3
SV_FLASH
P2302
VJS3791D020
F_SW
+5V
+3V
RXD
TXD
GND
C2321 0.1/UBV
C2322 0.1/UBV
R2353 47K/J3
R2354 47K/J3
TP2601
EYF6CU
R2355 47K/J3
R2359 47K/J3
R2360 47K/J3
T_TENSION_
R2324 0/J3
R2326 0/J3
R2327 0/J3
R2328 0/J3
S_TENSION_
HSW_EDGE
CYL_PG
CTL_EDGE
CAP_FG_MPX
TRL_FG_MPX
SRL_FG_MPX
CYL_FG
TRL_REV_H
SRL_REV_H
CAP_REV_H
CPU_PLD1
R2329 0/J3
R2330 0/J3
R2331 0/J3
REC_CTL
FE_HSW_EDGE
RP_HSW_EDGE
HSW_LEVEL
CANCEL_ON_H
PB_HSW_EDGE
SLOW_HSW_EDGE
TRL_ERR_
SRL_ERR_
CAP_ERR_
CYL_ERR_
LP_H
TRL_DIR_
SRL_DIR_
TRL_ON_H
SRL_ON_H
CYL_ON_H
CAP_DIR2
R2332 47K/J3
R2333 47K/J3
R2334 47K/J3
R2335 47K/J3
R2336 0/J3
CAP_DIR1
CTL_REC_L
FRM_RST
NTSC_H
CTL_FILTER1
CTL_FILTER0
DA_CLK
DA_DATA
DA_CS
RESERVE2
CTL_SEL1
CTL_SEL0
R2337 0/J3
IC2305
T74VHC244FT1
SEARCH_H
FLASH
REC_HEAD_L
DRATE0
DRATE1
SLOW_H
SERVO_LOCK_H
SRV_TAPE_ON_P
R2338 100/J3
SSCLK
R2339 0/J3
R2340 0/J3
TP2300
VJR0646
TP2729
VJR0646
IC2306
T74VHC244FT1
C2319 220P/UV
C2320 220P/UV
R2341 PAT/J3
TP2232
EYF6CU
TSR
REC_SPA
SSDATA
LOAD_FG
A2S_DATA
RESERVE1
SV_FLASH_RXD
R2343 1000/J3
R2342 100/J3
R2344 47K/J3
R2345 2200/J3
R2346 2200/J3
R2347 0/J3
R2348 PAT/J3
R2349 0/J3
IC2307
T74VHC244FT1
SSCE_L
SSCE_R
SSDE
TAPE_REV_H
S2A_CLK
S2A_DATA
SV_FLASH_TXD
SERVO_LOCK_L
R2351 1000/J3
R2350 100/J3
PAT=PATTERN ONLY
Ref No. 2300～2399 Series.

COMPONENT NAME	SERVO (CPU)	06/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (6/15) - 6
		SCM111


TP2725 VJR0646
TP2723 VJR0646
TP2724 VJR0646
TP2722 VJR0646
TP2726 EYF6CU
TP2727 EYF6CU
IC2401 T74VHC244FT1
R2409 47/J3
R2410 47/J3
R2411 47/J3
R2412 47/J3
R2413 47/J3
R2414 47/J3
R2415 100/J3
PB_R_HSW (14)
PB_L_HSW (14)
RP_R_HSW (14)
RP_L_HSW (14)
SLOW_L_HSW (14)
SLOW_R_HSW (14)
SYS_REV_H (14)
FR_PULSE (14)
SLOW_HSW_EDGE (6)
FE_HSW_EDGE (6)
PB_HSW_EDGE (6)
RP_HSW_EDGE (6)
HSW_LEVEL (6)
DA_CS (6)
DA_CS_DELAY (8)
DA_CLK (6, 8)
RESET_L (6, 14)
CPU_PLD1 (6)
(6) SYS_REV_H_
(6, 8) CS3_L
(8) DPRAM_BUSY_L
(6) HSW_EDGE
(6) OK_L
+3VD
C2405 0.1/UBV
C2408 0.1/UBV
R2419 68/J3
C2401 0.1/UBV
C2402 0.1/UBV
CP2413
CP2414
CP2415
R2422 100/J3
R2402 100/J3
CP2400
TP2060 EYF6CU
CP2409
CP2410
R2406 10K/J3
CP2412
(6) NTSC_H
(6) FRM_RST
LP_H (6)
CTL_SEL0 (6)
CTL_SEL1 (6)
RESERVE0 (6)
RESERVE1 (6)
RESERVE2 (6)
CTL_PULSE2 (1)
CP2416
CP2417
CP2418
CP2419
IP2401 X9144L7T100
IP2400 X9144L7T100
D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11
CP2401
CP2402
CP2403
CP2404
CP2405
(2) CAP_FG1
(2) CAP_FG2
(3) SRL_FG1
(3) SRL_FG2
(4) TRL_FG1
(4) TRL_FG2
(6) CAP_FG_MPX
(6) SRL_FG_MPX
(6) TRL_FG_MPX
CP2411
TP2280 VJR0646
TP2281 VJR0646
TP2282 VJR0646
(6) CAP_REV_H
(6) SRL_REV_H
(6) TRL_REV_H
R2401 PAT/J3
R2400 PAT/J3
CP2406
CP2407
CP2408
C2406 0.1/UBV
C2407 0.1/UBV
C2400 0.1/UBV
C2403 0.1/UBV
R2420 68/J3
R2408 68/J3
R2421 68/J3
A0 A1 A2 A3 A4
TP2603 EYF6CU
TP2031 VJR0646
(6) CTL_PULSE
SYSCLK (6)
WEO_L (6, 8)
RE_L (6, 8)
CS0_L (6)
A_D_BUS[6-18] (6, 8)
A_D_BUS[43-47] (6, 8)
LOADING_END (6)
CTL_EDGE (6)
CTL_EDGE_L (1)
CTL_EDGE_H (1)
R2403 68/J3
R2404 68/J3
R2405 68/J3
C2404 0.1/UBV
IC2401 T74VHC244FT1
P2400 VJP3125D008
VCC 1
TDO 2
TDI 3
NC 4
NC 5
TMS 6
GND 7
TCK 8
R2416 4700/J3
R2417 4700/J3
R2418 1000/J3

PAT=PATTERN ONLY
Ref No. 2400～2449 Series.

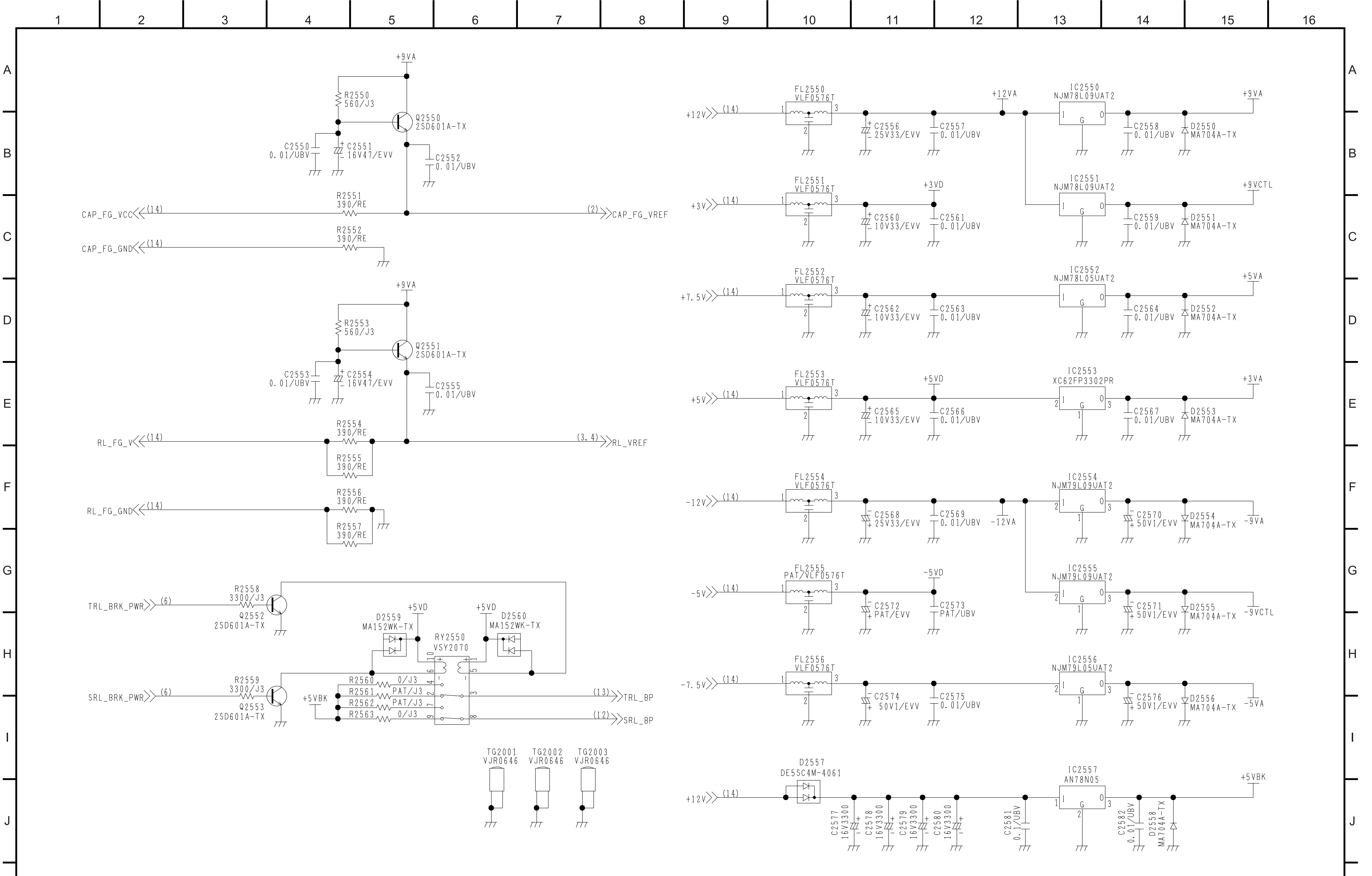
COMPONENT NAME	SERVO (PLD)	07/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (7/15) - 7
		SCM112


CS3_L
WE0_L
DPRAM_BUSY_L
MAIL_BOX_INT
A_D_BUS[36-38], A_D_BUS[40-47]
A_D_BUS[10-18]
RE_L
R2450 100/J3
R2451 100/J3
R2452 100/J3
R2453 100/J3
R2454 100/J3
R2455 10K/J3
R2456 1500/J3
R2457 1500/J3
R2458 10K/J3
+3VD
C2450 0.01/UBV
IC2450 IDT71V321L5F
IC2451 SN74S1051NSL
C2451 0.01/UBV
IC2452 SN74S1051NSL
C2452 0.01/UBV
SERVO_CS_LO
SYS_WR1_LO
SYS_BUSY_LO
SERVO_INT_LO
SYS_A[1-18]
SYS_RD_LO
SYS_D[0-15]
D2450 LN1251CAL-TR
D2451 LN1251CAL-TR
D2452 LN1251CAL-TR
R2459 820/J3
R2460 820/J3
R2461 820/J3
QR2450 UN5213-TX
QR2451 UN5213-TX
QR2452 UN5213-TX
LED0
LED1
LED2
C2453 16V10/EVV
+5VD
R2464 47K/J3
R2465 47K/J3
SRL_ON_H
TRL_ON_H
SRL_DIR_H
TRL_DIR_H
QR2453 UN5215-TX
QR2454 UN5215-TX
QR2455 UN5215-TX
QR2456 UN5215-TX
SRL_ON_L
TRL_ON_L
SRL_DIR
TRL_DIR
CTL_OS_ADJ
CTL_GAIN_ADJ
TP2452 VJR0646
LOAD_ERR
R2466 0/J3
R2467 120/J3
D2453 MA142K-GTX
IC2457 UPC4741G2-T1
R2468 22K/J3
R2469 10K/J3
TP2604 EYF6CU
+3VA
IC2453 LTC1660IGN
C2454 0.1/UBV
TP2605 EYF6CU
TP2606 EYF6CU
R2470 0/J3
R2471 0/J3
CP2450
DA_DATA
DA_CLK
DA_CS_DELAY
PB_L_ATF
RP_L_ATF
R2472 1000/J3
R2473 1000/J3
D2454 MA147-GTX
D2455 MA147-GTX
IC2454 MC14053BF-R
C2455 0.01/UBV
+9VA
C2456 0.01/UBV
TP2732 VJR0646
R2474 1000/J3
R2514 1000/J3
D2456 MA147-GTX
ATF_L
IC2455 UPC4741G2-T1
C2457 0.01/UBV
-9VA
REC_HEAD_L
PB_R_ATF
RP_R_ATF
R2475 1000/J3
R2476 1000/J3
D2457 MA147-GTX
D2458 MA147-GTX
TP2734 VJR0646
R2477 1000/J3
R2515 1000/J3
D2459 MA147-GTX
ATF_R
R2510 0/J3
R2511 0/J3
R2478 0/J3
R2479 0/J3
R2480 0/J3
C2473 25V4R7/EVN
R2516 10K/J3
C2474 1500P/UBV
R2517 470K/J3
R2522 1000/J3
R2523 1000/J3
D2468 MA147-GTX
S_TENSION_AC
R2518 0/J3
IC2458 NJM4558M-T1
R2519 0/J3
S_TENSION
TENS_GND
+12V
C2458 0.01/UBV
TP2201 VJR0646
R2481 1000/J3
R2482 1000/RE7
R2483 1800/RE7
R2512 150/RE7
R2520 100/J3
D2460 MA147-GTX
C2459 0.01/UBV
S_TENSION_
T_TENSION
TP2202 VJR0646
R2508 1000/J3
R2509 1000/RE7
R2462 1800/RE7
R2513 150/RE7
R2521 100/J3
D2467 MA147-GTX
T_TENSION_
TRL_ERR
R2484 56K/J3
C2460 2700P/UBV
C2461 0.01/UBV
IC2456 UPC4741G2-T1
R2485 1500/RE7
R2486 2700/RE7
C2463 0.015/UBV
D2461 MA8047-HTX
TP2450 VJR0646
C2464 0.01/UBV
SRL_ERR
R2487 56K/J3
C2462 2700P/UBV
R2488 1500/RE7
R2489 2700/RE7
C2465 0.015/UBV
D2462 MA8047-HTX
TP2451 VJR0646
TP2401 VJR0646
CAP_ERR
R2490 56K/J3
C2466 2700P/UBV
R2493 10K/J3
R2492 56K/RE7
R2491 100K/RE7
C2467 0.015/UBV
D2463 MA8047-HTX
CAP_ERR_SUB
TP2400 VJR0646
CYL_ERR
R2494 56K/J3
C2468 2700P/UBV
R2497 10K/J3
R2496 56K/RE7
R2495 100K/RE7
C2469 0.015/UBV
D2464 MA8047-HTX
CAP_DIR1
CAP_DIR2
R2498 47K/J3
R2499 47K/J3
R2502 10K/J3
R2501 56K/J3
R2500 100K/J3
D2465 MA8047-HTX
CAP_DIR
+5VA
C2472 0.01/UBV
R2503 3300/RE
R2504 3300/RE
C2470 0.1/UBV
R2507 0/J3
C2471 PAT/UBV
R2506 56K/RE7
R2505 100K/RE
SERVO_REF

PAT=PATTERN ONLY

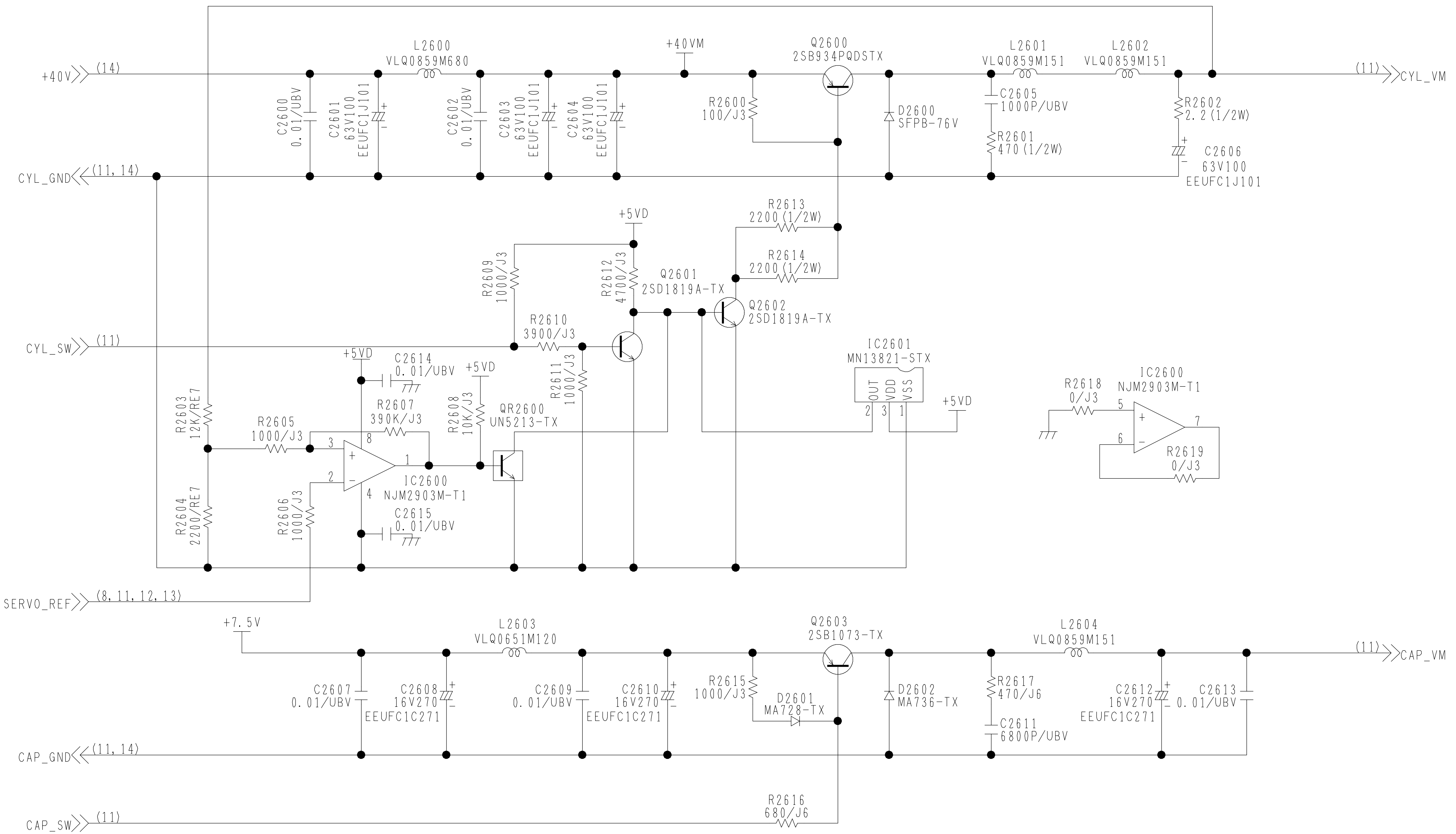
Ref No. 2450～2549 Series.

COMPONENT NAME	SERVO (CPU I/F)	08/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (8/15) - 8
		SCM113


+9VA
R2550
560/J3
Q2550
2SD601A-TX
C2550
0.01/UBV
C2551
16V47/EVV
C2552
0.01/UBV
R2551
390/RE
CAP_FG_VCC
(14)
(2)
CAP_FG_VREF
R2552
390/RE
CAP_FG_GND
R2553
560/J3
Q2551
2SD601A-TX
C2553
0.01/UBV
C2554
16V47/EVV
C2555
0.01/UBV
R2554
390/RE
RL_FG_V
(3,4)
RL_VREF
R2555
390/RE
R2556
390/RE
RL_FG_GND
R2557
390/RE
R2558
3300/J3
TRL_BRK_PWR
(6)
Q2552
2SD601A-TX
+5VD
D2559
MA152WK-TX
D2560
MA152WK-TX
RY2550
VSY2070
R2559
3300/J3
SRL_BRK_PWR
Q2553
2SD601A-TX
+5VBK
R2560
0/J3
R2561
PAT/J3
R2562
PAT/J3
R2563
0/J3
(13)
TRL_BP
(12)
SRL_BP
TG2001
VJR0646
TG2002
VJR0646
TG2003
VJR0646
+12V
FL2550
VLF0576T
C2556
25V33/EVV
C2557
0.01/UBV
+12VA
IC2550
NJM78L09UAT2
C2558
0.01/UBV
D2550
MA704A-TX
+9VA
+3V
FL2551
VLF0576T
C2560
10V33/EVV
+3VD
C2561
0.01/UBV
IC2551
NJM78L09UAT2
C2559
0.01/UBV
D2551
MA704A-TX
+9VCTL
+7.5V
FL2552
VLF0576T
C2562
10V33/EVV
C2563
0.01/UBV
IC2552
NJM78L05UAT2
C2564
0.01/UBV
D2552
MA704A-TX
+5VA
+5V
FL2553
VLF0576T
C2565
10V33/EVV
+5VD
C2566
0.01/UBV
IC2553
XC62FP3302PR
C2567
0.01/UBV
D2553
MA704A-TX
+3VA
-12V
FL2554
VLF0576T
C2568
25V33/EVV
C2569
0.01/UBV
-12VA
IC2554
NJM79L09UAT2
C2570
50V1/EVV
D2554
MA704A-TX
-9VA
-5V
FL2555
PAT/VLF0576T
C2572
PAT/EVV
-5VD
C2573
PAT/UBV
IC2555
NJM79L09UAT2
C2571
50V1/EVV
D2555
MA704A-TX
-9VCTL
-7.5V
FL2556
VLF0576T
C2574
50V1/EVV
C2575
0.01/UBV
IC2556
NJM79L05UAT2
C2576
50V1/EVV
D2556
MA704A-TX
-5VA
D2557
DE5SC4M-4061
C2577
16V3300
C2578
16V3300
C2579
16V3300
C2580
16V3300
C2581
0.1/UBV
IC2557
AN78N05
C2582
0.01/UBV
D2558
MA704A-TX
+5VBK

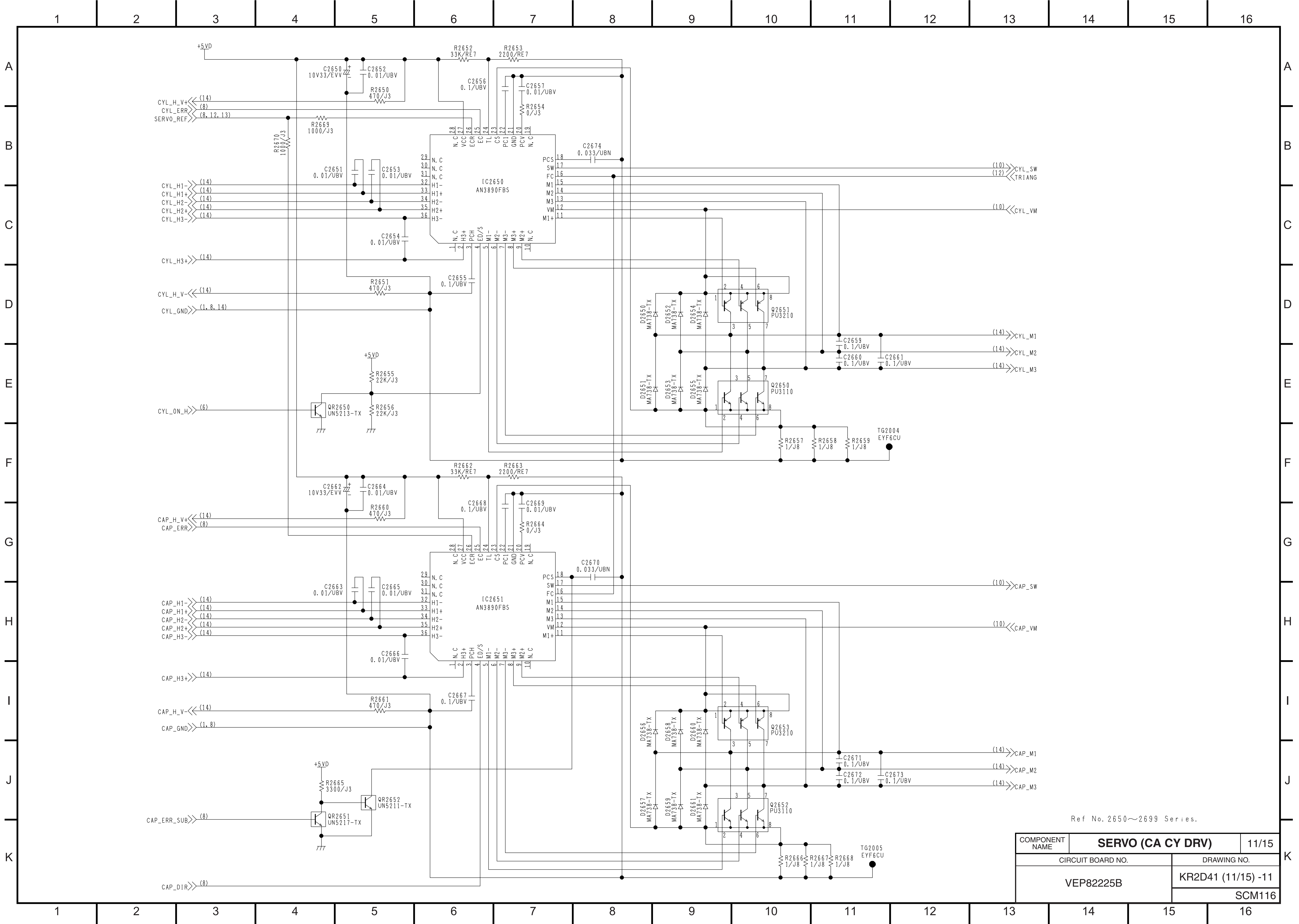
Ref No. 2550～2599 Series.

COMPONENT NAME	SERVO (POWER)	09/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82225B	KR2D41 (9/15) - 9	
	SCM114	


+40V
(14)
L2600
VLQ0859M680
+40VM
Q2600
2SB934PQDSTX
L2601
VLQ0859M151
L2602
VLQ0859M151
(11)
CYL_VM
C2600
0.01/UBV
C2601
63V100
EEUFC1J101
C2602
0.01/UBV
C2603
63V100
EEUFC1J101
C2604
63V100
EEUFC1J101
R2600
100/J3
D2600
SFPB-76V
C2605
1000P/UBV
R2601
470(1/2W)
R2602
2.2(1/2W)
C2606
63V100
EEUFC1J101
CYL_GND
(11, 14)
+5VD
R2613
2200(1/2W)
R2614
2200(1/2W)
R2609
1000/J3
R2612
4700/J3
Q2601
2SD1819A-TX
Q2602
2SD1819A-TX
R2610
3900/J3
CYL_SW
(11)
+5VD
C2614
0.01/UBV
+5VD
R2611
1000/J3
IC2601
MN13821-STX
OUT
VDD
VSS
2 3 1
+5VD
R2618
0/J3
IC2600
NJM2903M-T1
5
7
6
R2619
0/J3
R2603
12K/RE7
R2605
1000/J3
R2607
390K/J3
R2608
10K/J3
QR2600
UN5213-TX
3
8
1
2
4
IC2600
NJM2903M-T1
C2615
0.01/UBV
R2604
2200/RE7
R2606
1000/J3
SERVO_REF
(8, 11, 12, 13)
+7.5V
L2603
VLQ0651M120
Q2603
2SB1073-TX
L2604
VLQ0859M151
(11)
CAP_VM
C2607
0.01/UBV
C2608
16V270
EEUFC1C271
C2609
0.01/UBV
C2610
16V270
EEUFC1C271
R2615
1000/J3
D2601
MA728-TX
D2602
MA736-TX
R2617
470/J6
C2611
6800P/UBV
C2612
16V270
EEUFC1C271
C2613
0.01/UBV
CAP_GND
(11, 14)
R2616
680/J6
CAP_SW
(11)

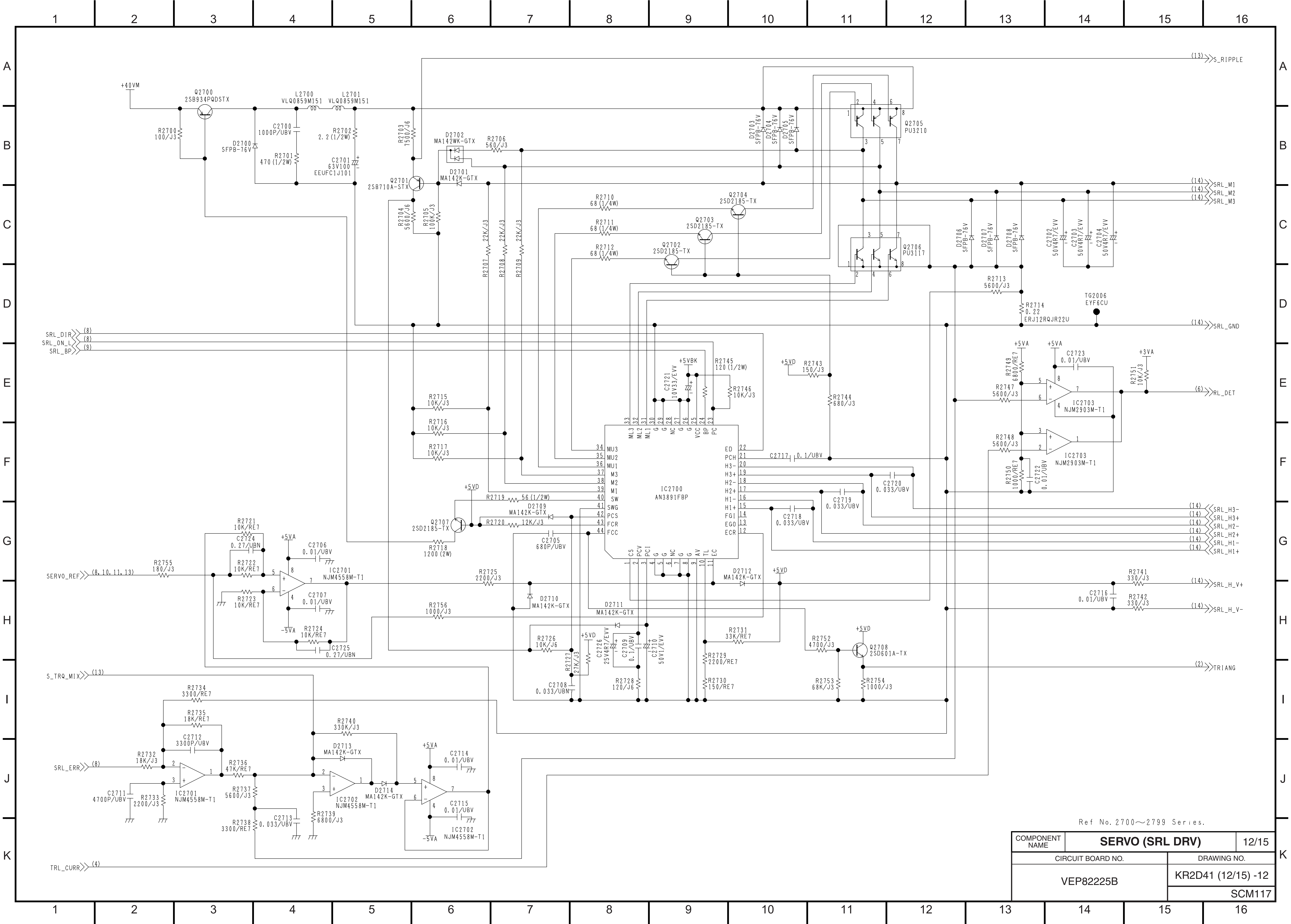
Ref No. 2600～2649 Series.

COMPONENT NAME	SERVO (SW REG)	10/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (10/15) -10
		SCM115


+5VD
R2652 33K/RE7
R2653 2200/RE7
C2650 10V33/EVV
C2652 0.01/UBV
R2650 470/J3
C2656 0.1/UBV
C2657 0.01/UBV
R2654 0/J3
CYL_H_V+ (14)
CYL_ERR (8)
SERVO_REF (8,12,13)
R2669 1000/J3
R2670 1000/J3
C2674 0.033/UBN
C2651 0.01/UBV
C2653 0.01/UBV
IC2650 AN3890FBS
N.C VCC ECR EC TL CS PC1 GND PCV N.C
PCS SW FC M1 M2 M3 VM M1+
H1- H1+ H2- H2+ H3-
N.C H3+ PCH ED/S M1- M2- M3- M3+ M2+ N.C
CYL_H1- (14)
CYL_H1+ (14)
CYL_H2- (14)
CYL_H2+ (14)
CYL_H3- (14)
(10) CYL_SW
(12) TRIANG
(10) CYL_VM
C2654 0.01/UBV
CYL_H3+ (14)
R2651 470/J3
C2655 0.1/UBV
CYL_H_V- (14)
CYL_GND (1,8,14)
D2650 MA738-TX
D2652 MA738-TX
D2654 MA738-TX
Q2651 PU3210
(14) CYL_M1
(14) CYL_M2
(14) CYL_M3
C2659 0.1/UBV
C2660 0.1/UBV
C2661 0.1/UBV
D2651 MA738-TX
D2653 MA738-TX
D2655 MA738-TX
Q2650 PU3110
+5VD
R2655 22K/J3
R2656 22K/J3
CYL_ON_H (6)
QR2650 UN5213-TX
R2657 1/J8
R2658 1/J8
R2659 1/J8
TG2004 EYF6CU
R2662 33K/RE7
R2663 2200/RE7
C2662 10V33/EVV
C2664 0.01/UBV
R2660 470/J3
C2668 0.1/UBV
C2669 0.01/UBV
R2664 0/J3
CAP_H_V+ (14)
CAP_ERR (8)
C2670 0.033/UBN
C2663 0.01/UBV
C2665 0.01/UBV
IC2651 AN3890FBS
CAP_H1- (14)
CAP_H1+ (14)
CAP_H2- (14)
CAP_H2+ (14)
CAP_H3- (14)
(10) CAP_SW
(10) CAP_VM
C2666 0.01/UBV
CAP_H3+ (14)
R2661 470/J3
C2667 0.1/UBV
CAP_H_V- (14)
CAP_GND (1,8)
D2656 MA738-TX
D2658 MA738-TX
D2660 MA738-TX
Q2653 PU3210
(14) CAP_M1
(14) CAP_M2
(14) CAP_M3
C2671 0.1/UBV
C2672 0.1/UBV
C2673 0.1/UBV
D2657 MA738-TX
D2659 MA738-TX
D2661 MA738-TX
Q2652 PU3110
+5VD
R2665 3300/J3
QR2652 UN5211-TX
QR2651 UN5217-TX
CAP_ERR_SUB (8)
R2666 1/J8
R2667 1/J8
R2668 1/J8
TG2005 EYF6CU
CAP_DIR (8)

Ref No. 2650～2699 Series.

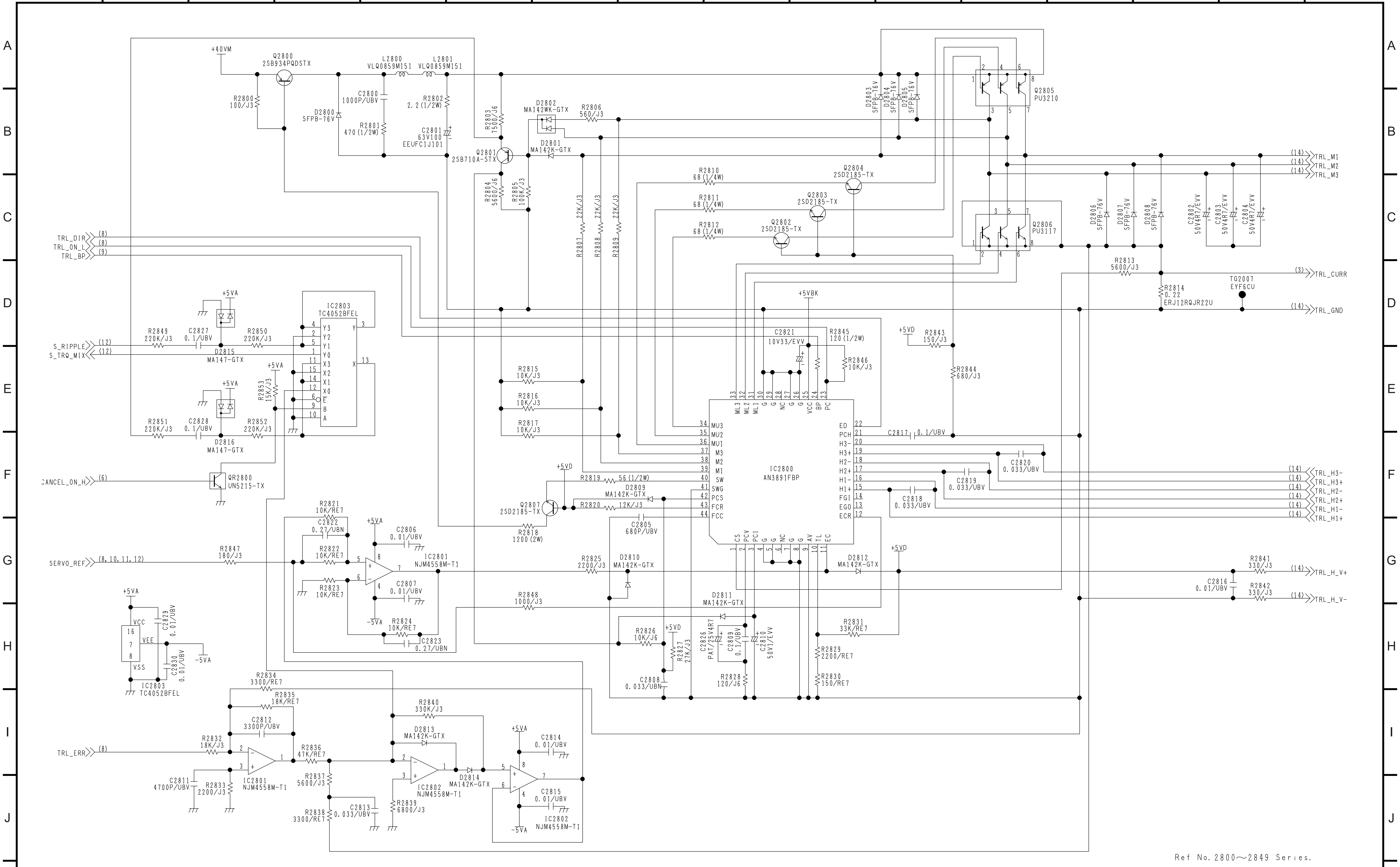
COMPONENT NAME	SERVO (CA CY DRV)	11/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82225B	KR2D41 (11/15) -11	
	SCM116	



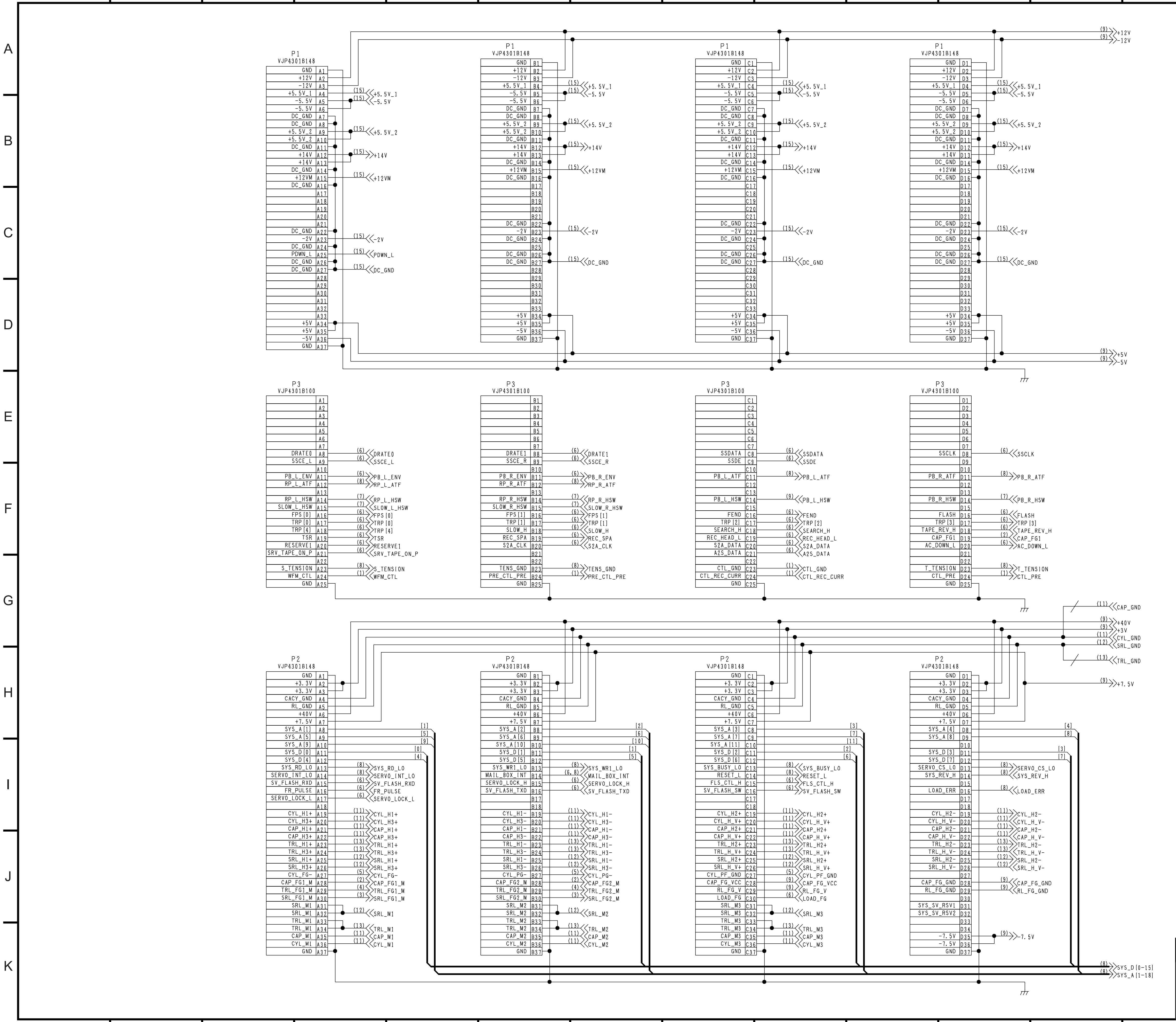
+40VM
Q2700
2SB934PQDSTX
R2700
100/J3
D2700
SFPB-76V
L2700
VLQ0859M151
L2701
VLQ0859M151
C2700
1000P/UBV
R2701
470(1/2W)
R2702
2.2(1/2W)
C2701
63V100
EEUFC1J101
R2703
7500/J6
Q2701
2SB710A-STX
R2704
5600/J6
R2705
100K/J3
D2702
MA142WK-GTX
D2701
MA142K-GTX
R2706
560/J3
R2707
22K/J3
R2708
22K/J3
R2709
22K/J3
(13)S_RIPPLE
D2703
SFPB-76V
D2704
SFPB-76V
D2705
SFPB-76V
Q2705
PU3210
Q2706
PU3117
R2710
68(1/4W)
R2711
68(1/4W)
R2712
68(1/4W)
Q2704
2SD2185-TX
Q2703
2SD2185-TX
Q2702
2SD2185-TX
(14)SRL_M1
(14)SRL_M2
(14)SRL_M3
D2706
SFPB-76V
D2707
SFPB-76V
D2708
SFPB-76V
C2702
50V4R7/EVV
C2703
50V4R7/EVV
C2704
50V4R7/EVV
R2713
5600/J3
R2714
0.22
ERJ12RQJR22U
TG2006
EYF6CU
(14)SRL_GND
SRL_DIR(8)
SRL_ON_L(8)
SRL_BP(9)
+5VBK
C2721
10V33/EVV
R2745
120(1/2W)
R2746
10K/J3
+5VD
R2743
150/J3
R2744
680/J3
R2715
10K/J3
R2716
10K/J3
R2717
10K/J3
IC2700
AN3891FBP
MU3
MU2
MU1
M3
M2
M1
SW
SWG
PCS
FCR
FCC
ML3
ML2
ML1
VCC
BP
PC
ED
PCH
H3-
H3+
H2-
H2+
H1-
H1+
FG
EGO
ECR
CS
PCV
PCI
NC
AV
TL
EC
C2717
0.1/UBV
C2720
0.033/UBV
C2719
0.033/UBV
C2718
0.033/UBV
+5VA
R2749
6800/RE7
R2747
5600/J3
C2723
0.01/UBV
+3VA
R2751
10K/J3
IC2703
NJM2903M-T1
(6)RL_DET
R2748
5600/J3
R2750
1000/RE7
C2722
0.01/UBV
(14)SRL_H3-
(14)SRL_H3+
(14)SRL_H2-
(14)SRL_H2+
(14)SRL_H1-
(14)SRL_H1+
R2719
56(1/2W)
D2709
MA142K-GTX
R2720
12K/J3
Q2707
2SD2185-TX
R2718
1200(2W)
C2705
680P/UBV
R2721
10K/RE7
C2724
0.27/UBN
R2722
10K/RE7
R2723
10K/RE7
SERVO_REF(8,10,11,13)
R2755
180/J3
C2706
0.01/UBV
IC2701
NJM4558M-T1
C2707
0.01/UBV
-5VA
R2724
10K/RE7
C2725
0.27/UBN
R2725
2200/J3
D2710
MA142K-GTX
D2711
MA142K-GTX
R2756
1000/J3
D2712
MA142K-GTX
R2741
330/J3
(14)SRL_H_V+
C2716
0.01/UBV
R2742
330/J3
(14)SRL_H_V-
R2726
10K/J6
R2727
27K/J3
C2708
0.033/UBN
C2726
25V4R7/EVV
C2709
0.1/UBV
C2710
50V1/EVV
R2728
120/J6
R2731
33K/RE7
R2729
2200/RE7
R2730
150/RE7
R2752
4700/J3
Q2708
2SD601A-TX
R2753
68K/J3
R2754
1000/J3
(2)TRIANG
S_TRQ_MIX(13)
R2734
3300/RE7
R2735
18K/RE7
C2712
3300P/UBV
SRL_ERR(8)
R2732
18K/J3
C2711
4700P/UBV
R2733
2200/J3
R2736
47K/RE7
R2737
5600/J3
R2738
3300/RE7
C2713
0.033/UBV
R2740
330K/J3
D2713
MA142K-GTX
IC2702
NJM4558M-T1
R2739
6800/J3
D2714
MA142K-GTX
C2714
0.01/UBV
C2715
0.01/UBV
TRL_CURR(4)

Ref No. 2700～2799 Series.

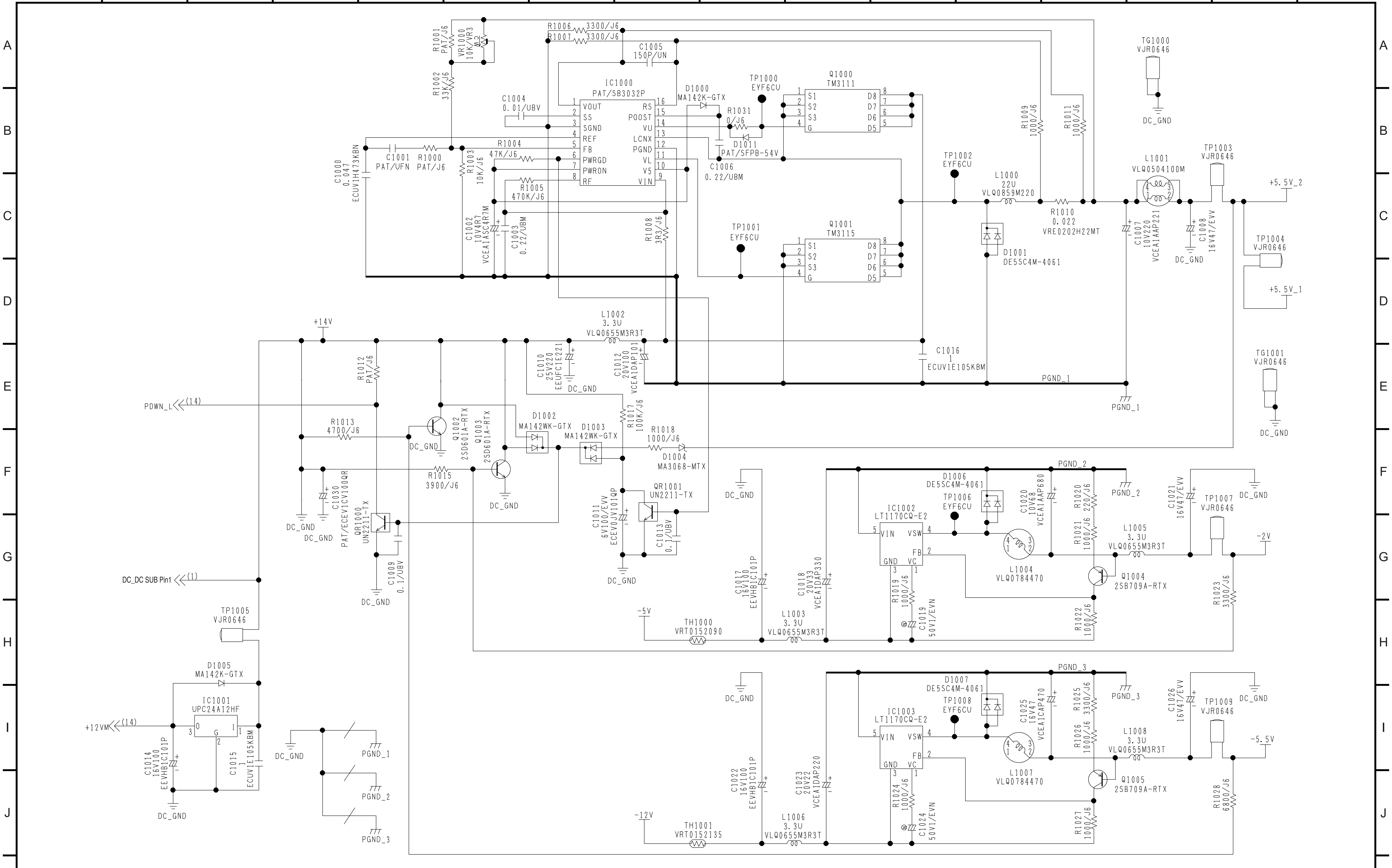
COMPONENT NAME	SERVO (SRL DRV)	12/15
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82225B	KR2D41 (12/15) -12	
	SCM117	


+40VM
Q2800
2SB934PQDSTX
R2800
100/J3
D2800
SFPB-76V
L2800
VLQ0859M151
L2801
VLQ0859M151
C2800
1000P/UBV
R2801
470(1/2W)
R2802
2.2(1/2W)
C2801
63V100
EEUFC1J101
R2803
7500/J6
Q2801
2SB710A-STX
R2804
5600/J6
R2805
100K/J3
D2802
MA142WK-GTX
D2801
MA142K-GTX
R2806
560/J3
R2807
R2808
R2809
22K/J3
D2803
D2804
D2805
SFPB-76V
Q2805
PU3210
Q2806
PU3117
R2810
68(1/4W)
R2811
68(1/4W)
R2812
68(1/4W)
Q2802
Q2803
Q2804
2SD2185-TX
D2806
D2807
D2808
SFPB-76V
C2802
C2803
C2804
50V4R7/EVV
R2813
5600/J3
R2814
0.22
ERJ12RQJR22U
TG2007
EYF6CU
TRL_M1
TRL_M2
TRL_M3
TRL_CURR
TRL_GND
TRL_DIR
TRL_ON_L
TRL_BP
S_RIPPLE
S_TRQ_MIX
CANCEL_ON_H
SERVO_REF
TRL_ERR
TRL_H3-
TRL_H3+
TRL_H2-
TRL_H2+
TRL_H1-
TRL_H1+
TRL_H_V+
TRL_H_V-
IC2803
TC4052BFEL
R2849
220K/J3
C2827
0.1/UBV
R2850
220K/J3
D2815
MA147-GTX
R2851
220K/J3
C2828
0.1/UBV
R2852
220K/J3
D2816
MA147-GTX
R2853
15K/J3
QR2800
UN5215-TX
+5VA
+5VD
+5VBK
-5VA
C2821
10V33/EVV
R2845
120(1/2W)
R2846
10K/J3
R2843
150/J3
R2844
680/J3
R2815
R2816
R2817
10K/J3
IC2800
AN3891FBP
C2817
0.1/UBV
C2820
C2819
C2818
0.033/UBV
R2819
56(1/2W)
D2809
MA142K-GTX
R2820
12K/J3
Q2807
2SD2185-TX
R2818
1200(2W)
C2805
680P/UBV
R2821
10K/RE7
C2822
0.27/UBN
R2822
10K/RE7
R2823
10K/RE7
C2806
0.01/UBV
C2807
0.01/UBV
IC2801
NJM4558M-T1
R2824
10K/RE7
C2823
0.27/UBN
R2847
180/J3
R2825
2200/J3
D2810
MA142K-GTX
R2848
1000/J3
D2811
MA142K-GTX
D2812
MA142K-GTX
R2826
10K/J6
R2827
27K/J3
C2826
PAT/25V4R7
C2809
0.1/UBV
C2810
50V1/EVV
C2808
0.033/UBN
R2828
120/J6
R2831
33K/RE7
R2829
2200/RE7
R2830
150/RE7
R2841
330/J3
R2842
330/J3
C2816
0.01/UBV
C2829
0.01/UBV
C2830
0.01/UBV
VCC
VEE
VSS
R2834
3300/RE7
R2835
18K/RE7
C2812
3300P/UBV
R2832
18K/J3
C2811
4700P/UBV
R2833
2200/J3
R2836
47K/RE7
R2837
5600/J3
R2838
3300/RE7
C2813
0.033/UBV
R2840
330K/J3
D2813
MA142K-GTX
IC2802
NJM4558M-T1
D2814
MA142K-GTX
R2839
6800/J3
C2814
0.01/UBV
C2815
0.01/UBV
Ref No.2800～2849 Series.

COMPONENT NAME	SERVO (TRL DRV)	13/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (13/15) -13
		SCM118

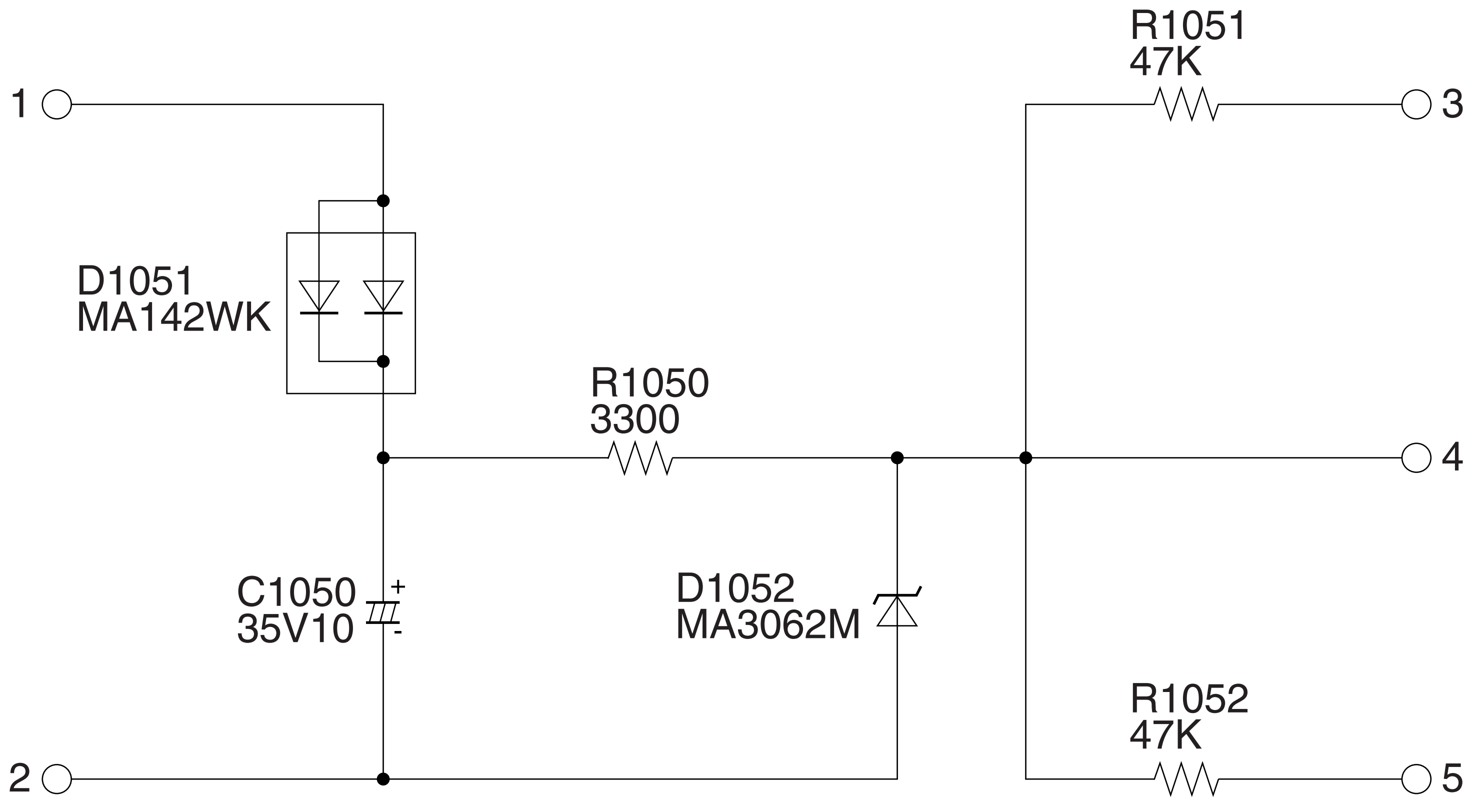

P1
VJP4301B148
P3
VJP4301B100
P2
VJP4301B148
+12V
-12V
+5V
-5V
+5.5V_1
-5.5V
+5.5V_2
+14V
+12VM
-2V
PDWN_L
DC_GND
CAP_GND
+40V
+3V
CYL_GND
SRL_GND
TRL_GND
+7.5V
-7.5V
SYS_D[0-15]
SYS_A[1-18]

COMPONENT NAME	**SERVO**	14/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (14/15) -14
		SCM119

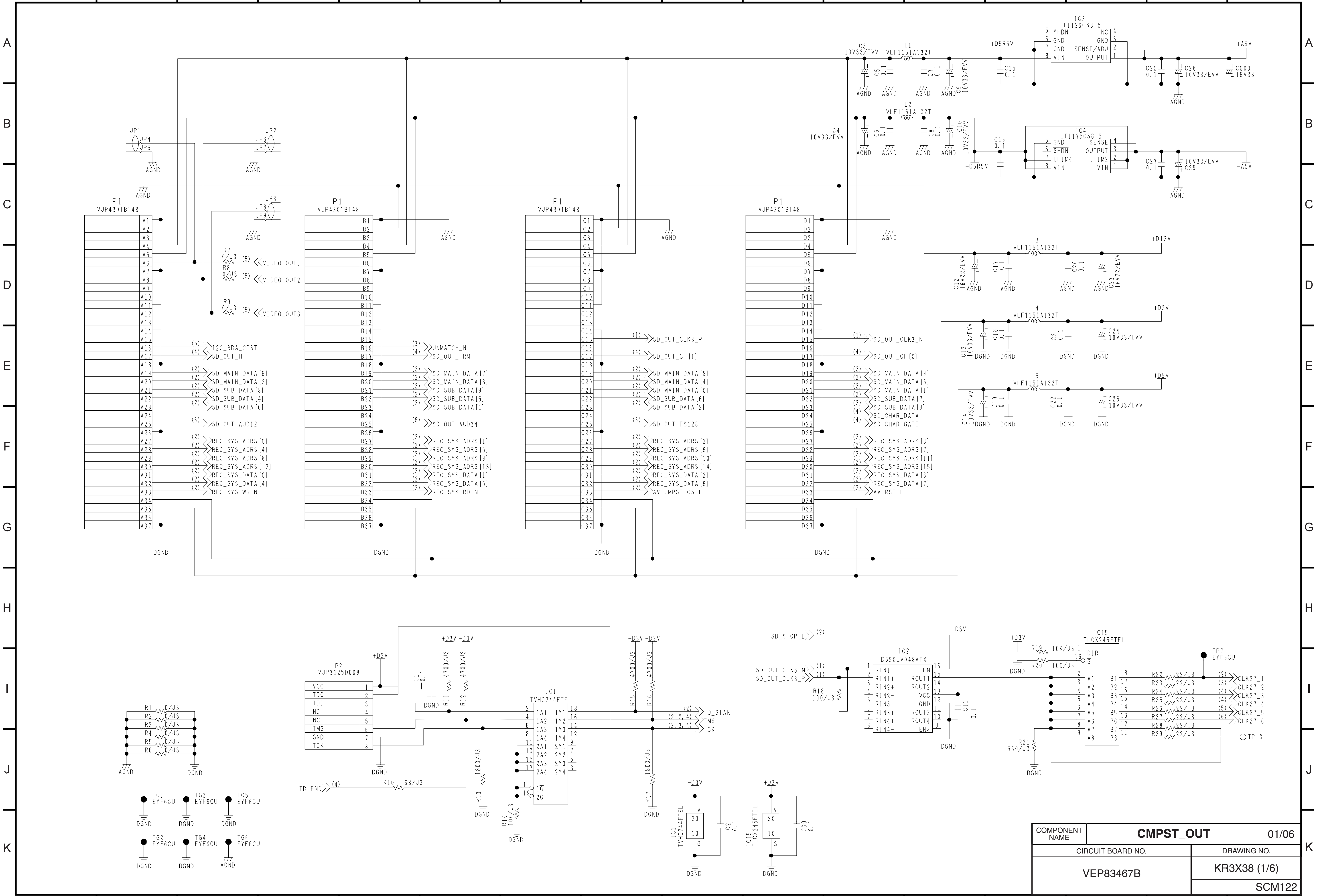

R1001 PAT/J6
VR1000 10K/VR3
R1006 3300/J6
R1007 3300/J6
C1005 150P/UN
R1002 33K/J6
IC1000 PAT/SB3032P
VOUT
SS
SGND
REF
FB
PWRGD
PWRON
RF
RS
POOST
VU
LCNX
PGND
VL
V5
VIN
C1004 0.01/UBV
D1000 MA142K-GTX
TP1000 EYF6CU
Q1000 TM3111
S1
S2
S3
G
D8
D7
D6
D5
R1031 0/J6
D1011 PAT/SFPB-54V
C1006 0.22/UBM
C1000 0.047 ECUV1H473KBN
C1001 PAT/UFN
R1000 PAT/J6
R1004 47K/J6
R1003 10K/J6
R1005 470K/J6
C1002 10V4R7 VCEA1AC4R7M
C1003 0.22/UBM
R1008 3R3/J6
TP1001 EYF6CU
Q1001 TM3115
R1009 1000/J6
R1011 1000/J6
TP1002 EYF6CU
L1000 22U VLQ0859M220
R1010 0.022 VRE0202H22MT
D1001 DE5SC4M-4061
L1001 VLQ0504100M
TP1003 VJR0646
+5.5V_2
C1007 10V220 VCEA1AAP221
C1008 16V47/EVV
TP1004 VJR0646
+5.5V_1
TG1000 VJR0646
DC_GND
+14V
L1002 3.3U VLQ0655M3R3T
C1010 25V220 EEUFC1E221
C1012 20V100 VCEA1DAP101
C1016 1 ECUV1E105KBM
PGND_1
TG1001 VJR0646
R1012 PAT/J6
PDWN_L (14)
R1013 4700/J6
Q1002 2SD601A-RTX
Q1003 2SD601A-RTX
D1002 MA142WK-GTX
D1003 MA142WK-GTX
R1017 100K/J6
R1018 1000/J6
D1004 MA3068-MTX
R1015 3900/J6
C1030 PAT/ECEV1CV100QR
QR1000 UN2211-TX
C1009 0.1/UBV
C1011 6V100/EVV ECEV0JV101QP
QR1001 UN2211-TX
C1013 0.1/UBV
DC_DC SUB Pin1 (1)
TP1005 VJR0646
D1006 DE5SC4M-4061
PGND_2
TP1006 EYF6CU
IC1002 LT1170CQ-E2
VIN
VSW
GND
VC
FB
C1020 10V68 VCEA1AAP680
R1020 220/J6
R1021 1000/J6
L1005 3.3U VLQ0655M3R3T
C1021 16V47/EVV
TP1007 VJR0646
-2V
L1004 VLQ0784470
Q1004 2SB709A-RTX
R1023 3300/J6
R1019 1000/J6
C1019 50V1/EVN
R1022 1000/J6
C1017 16V100 EEVHB1C101P
C1018 20V33 VCEA1DAP330
-5V
TH1000 VRT0152090
L1003 3.3U VLQ0655M3R3T
D1005 MA142K-GTX
IC1001 UPC24A12HF
+12VM (14)
C1014 16V100 EEVHB1C101P
C1015 1 ECUV1E105KBM
PGND_3
D1007 DE5SC4M-4061
TP1008 EYF6CU
IC1003 LT1170CQ-E2
C1025 16V47 VCEA1CAP470
R1025 3300/J6
R1026 1000/J6
L1008 3.3U VLQ0655M3R3T
C1026 16V47/EVV
TP1009 VJR0646
-5.5V
L1007 VLQ0784470
Q1005 2SB709A-RTX
R1028 6800/J6
R1024 1000/J6
C1024 50V1/EVN
R1027 1000/J6
C1022 16V100 EEVHB1C101P
C1023 20V22 VCEA1DAP220
-12V
TH1001 VRT0152135
L1006 3.3U VLQ0655M3R3T

PAT=PATTERN ONLY
Ref No.1000～1099 Series.

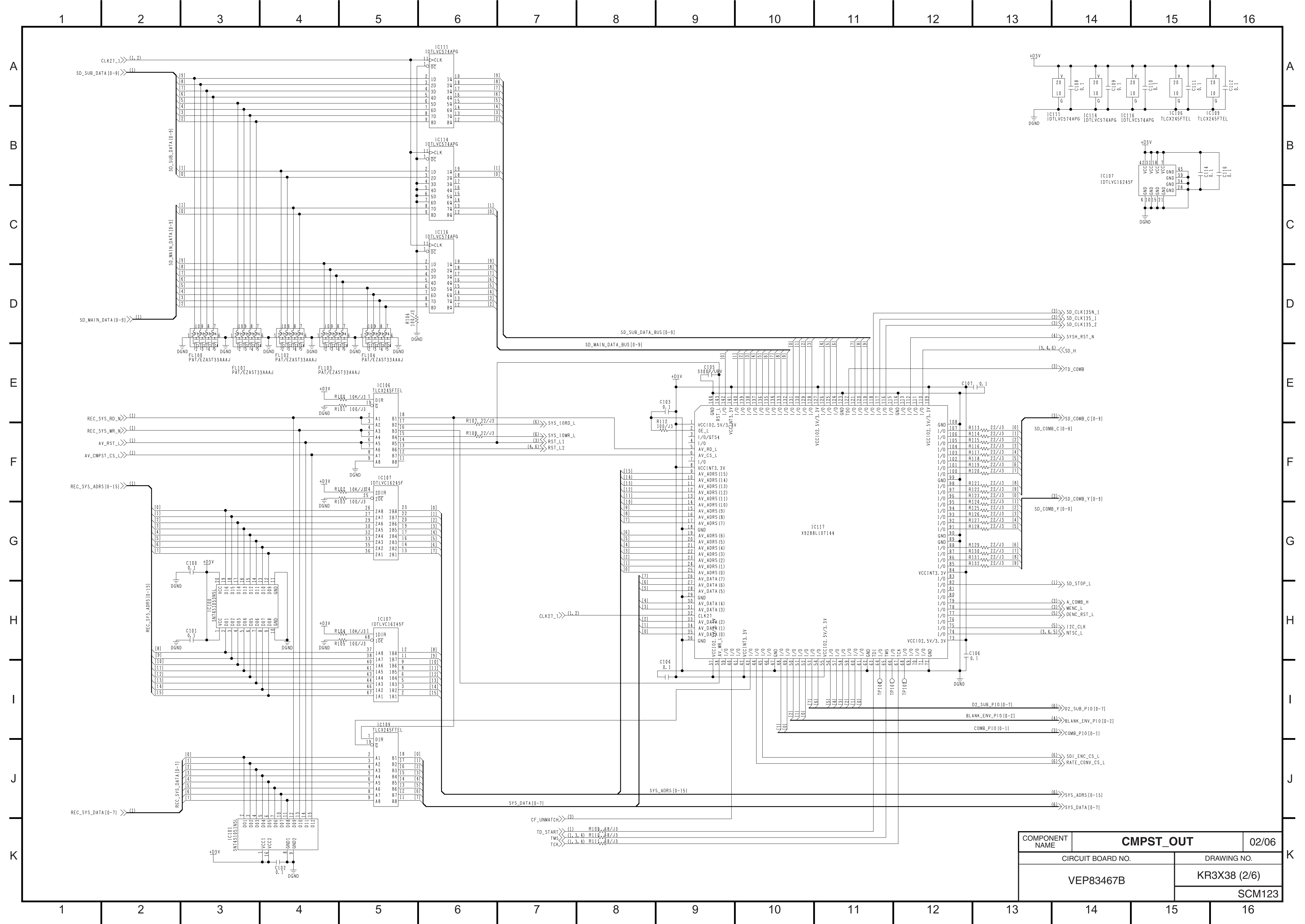
COMPONENT NAME	SERVO (DC PWR)	15/15
CIRCUIT BOARD NO.		DRAWING NO.
VEP82225B		KR2D41 (15/15) -15
		SCM120


R1051
47K
1
3
D1051
MA142WK
R1050
3300
4
C1050
35V10
+
-
D1052
MA3062M
R1052
47K
2
5

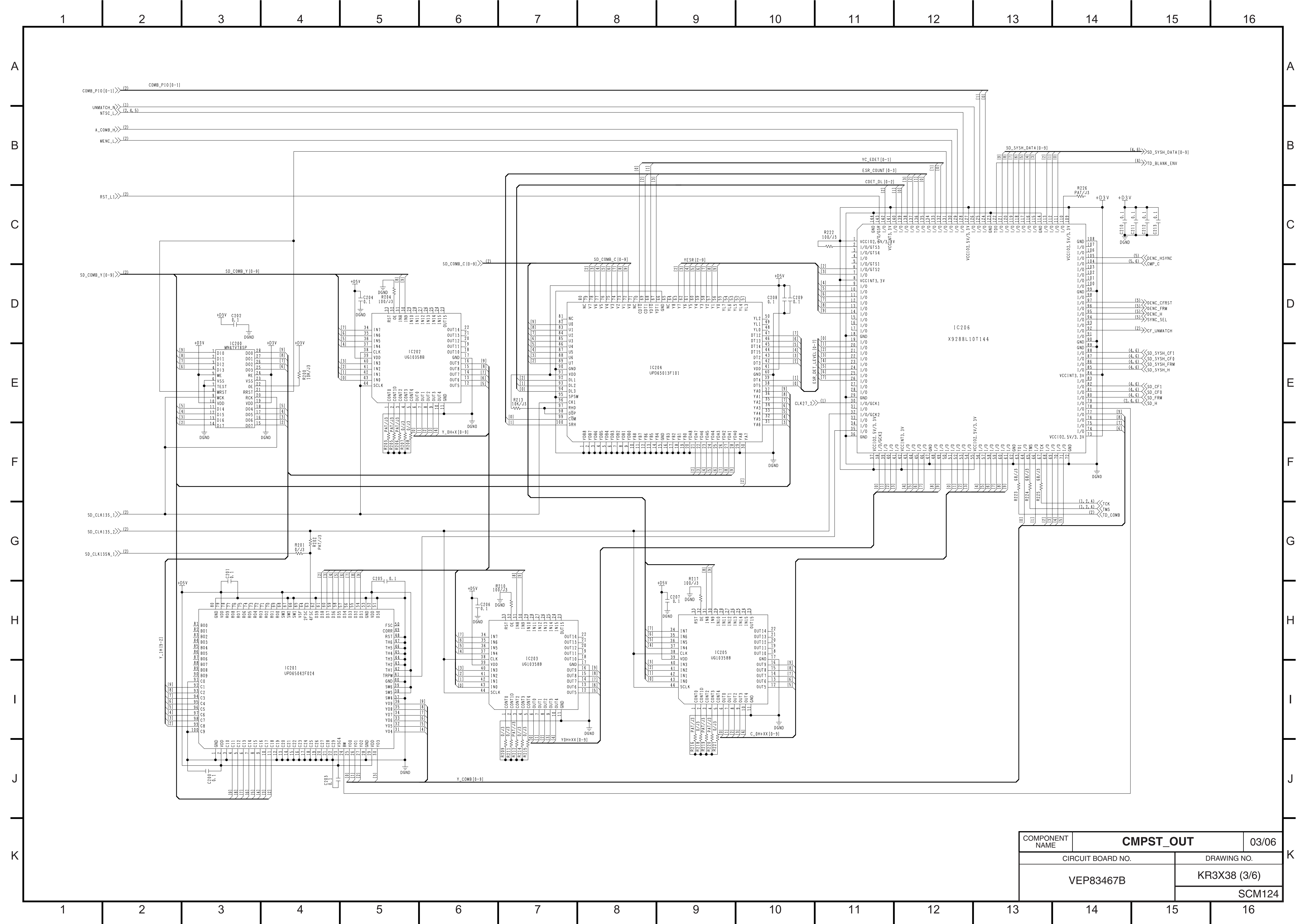
COMPONENT NAME	DC_DC SUB	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81216A	KR4H66 (1/1)	
	SCM121	


IC3 LT1129CS8-5
SHDN NC GND GND GND SENSE/ADJ VIN OUTPUT
C3 10V33/EVV
L1 VLF1151A132T
+D5R5V
C15 0.1
C5 0.1
C7 0.1
C9 10V33/EVV
C26 0.1
C28 10V33/EVV
C600 16V33
+A5V
AGND
L2 VLF1151A132T
C4 10V33/EVV
C6 0.1
C8 0.1
C10 10V33/EVV
C16 0.1
-D5R5V
IC4 LT1175CS8-5
GND SENSE SHDN OUTPUT ILIM4 ILIM2 VIN VIN
C27 0.1
C29 10V33/EVV
-A5V
JP1 JP4 JP5
JP2 JP6 JP7
JP3 JP8 JP9
P1 VJP4301B148
A1–A37
B1–B37
C1–C37
D1–D37
R7 0/J3 (5) VIDEO_OUT1
R8 0/J3 (5) VIDEO_OUT2
R9 0/J3 (5) VIDEO_OUT3
(5) I2C_SDA_CPST
(4) SD_OUT_H
(2) SD_MAIN_DATA[6]
(2) SD_MAIN_DATA[2]
(2) SD_SUB_DATA[8]
(2) SD_SUB_DATA[4]
(2) SD_SUB_DATA[0]
(6) SD_OUT_AUD12
(2) REC_SYS_ADRS[0]
(2) REC_SYS_ADRS[4]
(2) REC_SYS_ADRS[8]
(2) REC_SYS_ADRS[12]
(2) REC_SYS_DATA[0]
(2) REC_SYS_DATA[4]
(2) REC_SYS_WR_N
(3) UNMATCH_N
(4) SD_OUT_FRM
(2) SD_MAIN_DATA[7]
(2) SD_MAIN_DATA[3]
(2) SD_SUB_DATA[9]
(2) SD_SUB_DATA[5]
(2) SD_SUB_DATA[1]
(6) SD_OUT_AUD34
(2) REC_SYS_ADRS[1]
(2) REC_SYS_ADRS[5]
(2) REC_SYS_ADRS[9]
(2) REC_SYS_ADRS[13]
(2) REC_SYS_DATA[1]
(2) REC_SYS_DATA[5]
(2) REC_SYS_RD_N
(1) SD_OUT_CLK3_P
(4) SD_OUT_CF[1]
(2) SD_MAIN_DATA[8]
(2) SD_MAIN_DATA[4]
(2) SD_MAIN_DATA[0]
(2) SD_SUB_DATA[6]
(2) SD_SUB_DATA[2]
(6) SD_OUT_FS128
(2) REC_SYS_ADRS[2]
(2) REC_SYS_ADRS[6]
(2) REC_SYS_ADRS[10]
(2) REC_SYS_ADRS[14]
(2) REC_SYS_DATA[2]
(2) REC_SYS_DATA[6]
(2) AV_CMPST_CS_L
(1) SD_OUT_CLK3_N
(4) SD_OUT_CF[0]
(2) SD_MAIN_DATA[9]
(2) SD_MAIN_DATA[5]
(2) SD_MAIN_DATA[1]
(2) SD_SUB_DATA[7]
(2) SD_SUB_DATA[3]
(4) SD_CHAR_DATA
(4) SD_CHAR_GATE
(2) REC_SYS_ADRS[3]
(2) REC_SYS_ADRS[7]
(2) REC_SYS_ADRS[11]
(2) REC_SYS_ADRS[15]
(2) REC_SYS_DATA[3]
(2) REC_SYS_DATA[7]
(2) AV_RST_L
DGND
L3 VLF1151A132T
+D12V
C12 16V22/EVV
C17 0.1
C20 0.1
C23 16V22/EVV
L4 VLF1151A132T
+D3V
C13 10V33/EVV
C18 0.1
C21 0.1
C24 10V33/EVV
L5 VLF1151A132T
+D5V
C14 10V33/EVV
C19 0.1
C22 0.1
C25 10V33/EVV
P2 VJP3125D008
VCC TDO TDI NC NC TMS GND TCK
C1 0.1
R11 4700/J3
R12 4700/J3
IC1 TVHC244FTEL
1A1 1A2 1A3 1A4 2A1 2A2 2A3 2A4 1G 2G
1Y1 1Y2 1Y3 1Y4 2Y1 2Y2 2Y3 2Y4
R15 4700/J3
R16 4700/J3
(2) TD_START
(2, 3, 4) TMS
(2, 3, 4) TCK
TD_END (4)
R10 68/J3
R13 1800/J3
R14 100/J3
R17 1800/J3
R1 0/J3
R2 0/J3
R3 0/J3
R4 0/J3
R5 0/J3
R6 0/J3
TG1 EYF6CU
TG2 EYF6CU
TG3 EYF6CU
TG4 EYF6CU
TG5 EYF6CU
TG6 EYF6CU
IC1 TVHC244FTEL
C2 0.1
IC15 TLCX245FTEL
C30 0.1
SD_STOP_L (2)
SD_OUT_CLK3_N (1)
SD_OUT_CLK3_P (1)
R18 100/J3
IC2 DS90LV048ATX
RIN1- RIN1+ RIN2+ RIN2- RIN3- RIN3+ RIN4+ RIN4-
EN ROUT1 ROUT2 VCC GND ROUT3 ROUT4 EN*
C11 0.1
IC15 TLCX245FTEL
R19 10K/J3
R20 100/J3
DIR G
A1 A2 A3 A4 A5 A6 A7 A8
B1 B2 B3 B4 B5 B6 B7 B8
R21 560/J3
R22 22/J3 (2) CLK27_1
R23 22/J3 (3) CLK27_2
R24 22/J3 (4) CLK27_2
R25 22/J3 (4) CLK27_3
R26 22/J3 (4) CLK27_4
R27 22/J3 (5) CLK27_5
R28 22/J3 (6) CLK27_6
R29 22/J3 TP13
TP7 EYF6CU
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

COMPONENT NAME	CMPST_OUT	01/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83467B		KR3X38 (1/6)
		SCM122

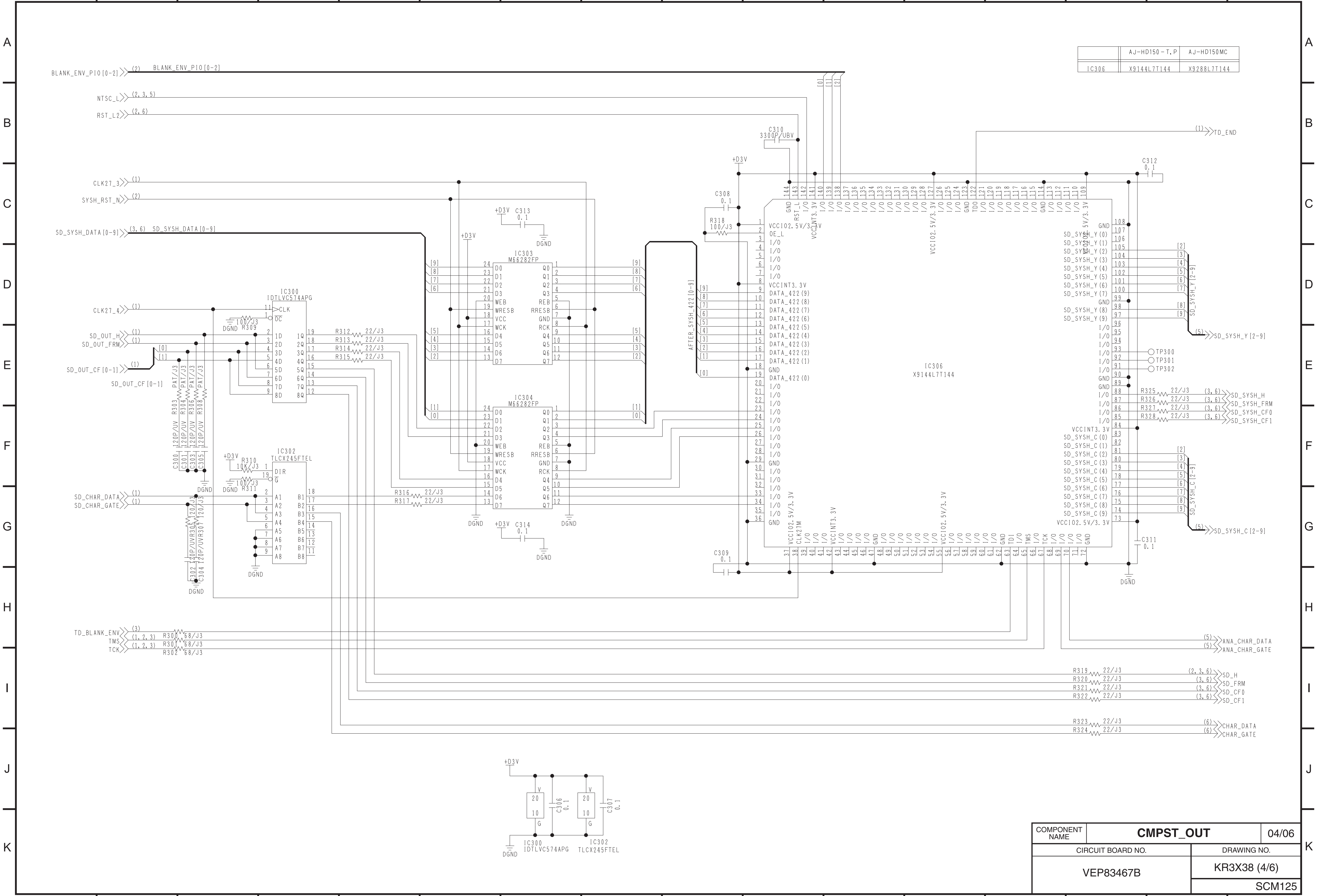

CLK27_1
SD_SUB_DATA[0-9]
SD_MAIN_DATA[0-9]
IC111 IDTLVC574APG
IC114 IDTLVC574APG
IC116 IDTLVC574APG
FL100 PAT/EZAST33AAAJ
FL101 PAT/EZAST33AAAJ
FL102 PAT/EZAST33AAAJ
FL103 PAT/EZAST33AAAJ
FL104 PAT/EZAST33AAAJ
R106 100/J3
SD_SUB_DATA_BUS[0-9]
SD_MAIN_DATA_BUS[0-9]
IC106 TLCX245FTEL
REC_SYS_RD_N
REC_SYS_WR_N
AV_RST_L
AV_CMPST_CS_L
R107 22/J3
R108 22/J3
SYS_IORD_L
SYS_IOWR_L
RST_L1
RST_L2
IC107 IDTLVC16245F
REC_SYS_ADRS[0-15]
C100 0.1
C101 0.1
IC100 SN74S1053NSL
IC109 TLCX245FTEL
REC_SYS_DATA[0-7]
IC101 SN74S1053NSL
C102 0.1
+D3V
DGND
CLK27_1
C105 3300P/UBV
C103 0.1
R112 100/J3
C104 0.1
C107 0.1
C106 0.1
IC117 X9288L10T144
SD_CLK135N_1
SD_CLK135_1
SD_CLK135_2
SYSH_RST_N
SD_H
TD_COMB
SD_COMB_C[0-9]
SD_COMB_Y[0-9]
SD_STOP_L
A_COMB_H
MENC_L
DENC_RST_L
I2C_CLK
NTSC_L
D2_SUB_PIO[0-7]
BLANK_ENV_PIO[0-2]
COMB_PIO[0-1]
SDI_ENC_CS_L
RATE_CONV_CS_L
SYS_ADRS[0-15]
SYS_DATA[0-7]
CF_UNMATCH
TD_START
TMS
TCK
R109 68/J3
R110 68/J3
R111 68/J3
TP101
TP102
TP103
IC108 TLCX245FTEL
IC109 TLCX245FTEL
IC107 IDTLVC16245F
C108 0.1
C109 0.1
C110 0.1
C111 0.1
C112 0.1
C114 0.1
C116 0.1

COMPONENT NAME	CMPST_OUT	02/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83467B		KR3X38 (2/6)
		SCM123


COMB_PIO[0-1]
UNMATCH_N
NTSC_L
A_COMB_H
MENC_L
RST_L1
SD_COMB_Y[0-9]
SD_COMB_Y[0-9]
SD_COMB_C[0-9]
SD_COMB_C[0-9]
YESR[2-9]
YC_EDET[0-1]
ESR_COUNT[0-3]
CDET_DL[0-2]
SD_SYSH_DATA[0-9]
SD_SYSH_DATA[0-9]
TD_BLANK_ENV
IC200
MN47V78SP
IC202
UG10358B
IC204
UPD65013F101
IC206
X9288L10T144
IC201
UPD65042F024
IC203
UG10358B
IC205
UG10358B
DENC_HSYNC
CMP_C
DENC_CFRST
DENC_FRM
DENC_H
SYNC_SEL
CF_UNMATCH
SD_SYSH_CF1
SD_SYSH_CF0
SD_SYSH_FRM
SD_SYSH_H
SD_CF1
SD_CF0
SD_FRM
SD_H
CLK27_2
ESR_DET_LEVEL[0-7]
TCK
TMS
TD_COMB
SD_CLK135_1
SD_CLK135_2
SD_CLK135N_1
Y_0H+X[0-9]
Y0H+XX[0-9]
C_0H+XX[0-9]
Y_COMB[0-9]
Y_1H[9-2]
+D3V
+D5V
DGND
R200 10K/J3
R201 0/J3
R202 PAT/J3
R204 100/J3
R210 100/J3
R213 10K/J3
R217 100/J3
R222 100/J3
R223 68/J3
R224 68/J3
R225 68/J3
R226 PAT/J3
C200 0.1
C201 0.1
C202 0.1
C203 0.1
C204 0.1
C205 0.1
C206 0.1
C207 0.1
C208 0.1
C209 0.1
C210 0.1
C211 0.1
C212 0.1
C213 0.1

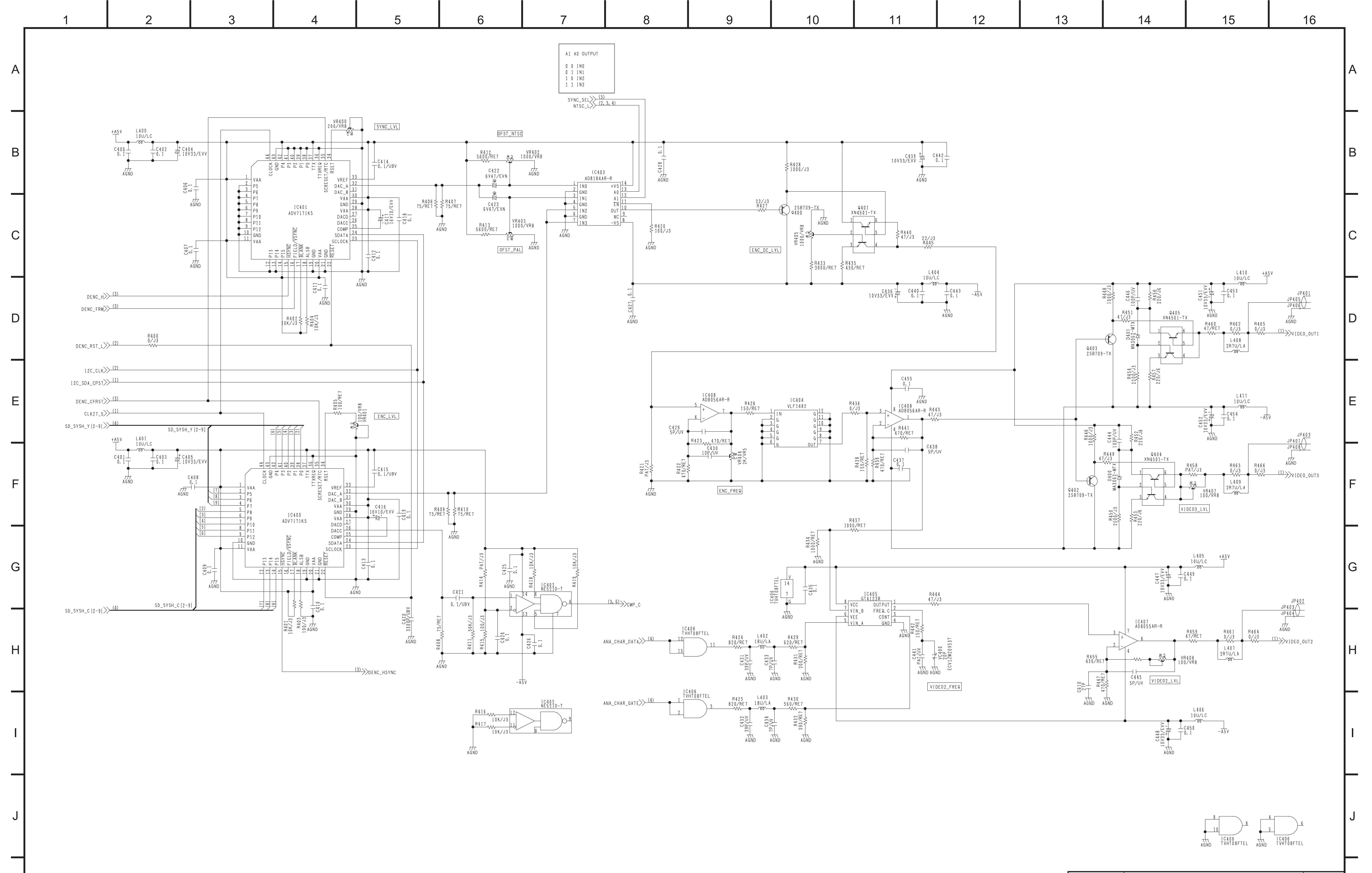
COMPONENT NAME	CMPST_OUT	03/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83467B		KR3X38 (3/6)
		SCM124

	AJ-HD150-T,P	AJ-HD150MC
IC306	X9144L7T144	X9288L7T144

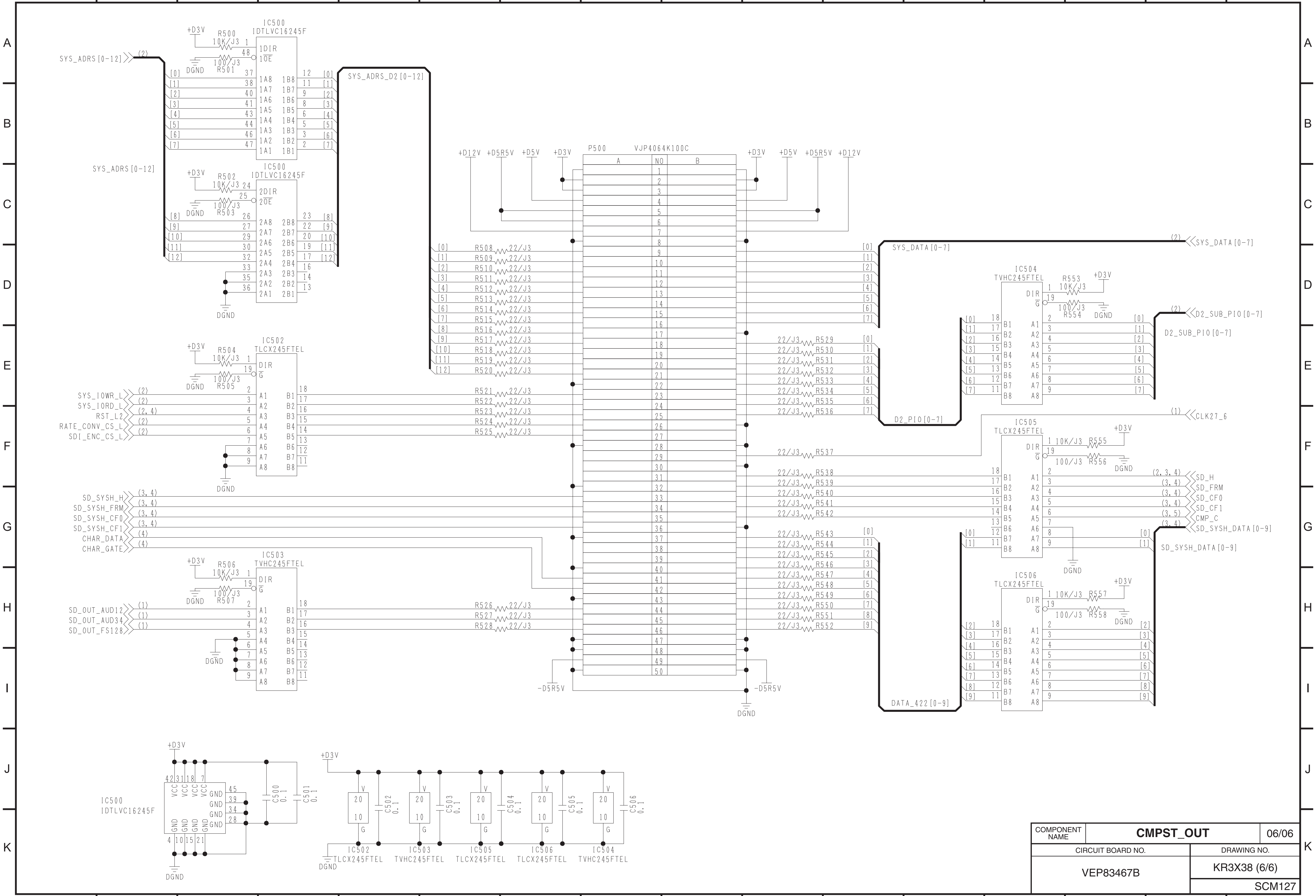


BLANK_ENV_PIO[0-2]
NTSC_L
RST_L2
CLK27_3
SYSH_RST_N
SD_SYSH_DATA[0-9]
CLK27_4
SD_OUT_H
SD_OUT_FRM
SD_OUT_CF[0-1]
SD_CHAR_DATA
SD_CHAR_GATE
TD_BLANK_ENV
TMS
TCK
IC300
IDTLVC574APG
IC302
TLCX245FTEL
IC303
M66282FP
IC304
M66282FP
IC306
X9144L7T144
AFTER_SYSH_422[0-9]
C310 3300P/UBV
C308 0.1
C309 0.1
C311 0.1
C312 0.1
C313 0.1
C314 0.1
C306 0.1
C307 0.1
R318 100/J3
R309 100/J3
R310 10K/J3
R311 100/J3
R312 22/J3
R313 22/J3
R314 22/J3
R315 22/J3
R316 22/J3
R317 22/J3
R300 68/J3
R301 68/J3
R302 68/J3
R303 PAT/J3
R304 PAT/J3
R306 PAT/J3
R308 PAT/J3
C300 120P/UV
C301 120P/UV
C303 120P/UV
C305 120P/UV
R305 120/J3
R307 120/J3
C302 120P/UV
C304 120P/UV
R319 22/J3
R320 22/J3
R321 22/J3
R322 22/J3
R323 22/J3
R324 22/J3
R325 22/J3
R326 22/J3
R327 22/J3
R328 22/J3
TP300
TP301
TP302
+D3V
DGND
TD_END
SD_SYSH_Y[2-9]
SD_SYSH_H
SD_SYSH_FRM
SD_SYSH_CF0
SD_SYSH_CF1
SD_SYSH_C[2-9]
ANA_CHAR_DATA
ANA_CHAR_GATE
SD_H
SD_FRM
SD_CF0
SD_CF1
CHAR_DATA
CHAR_GATE

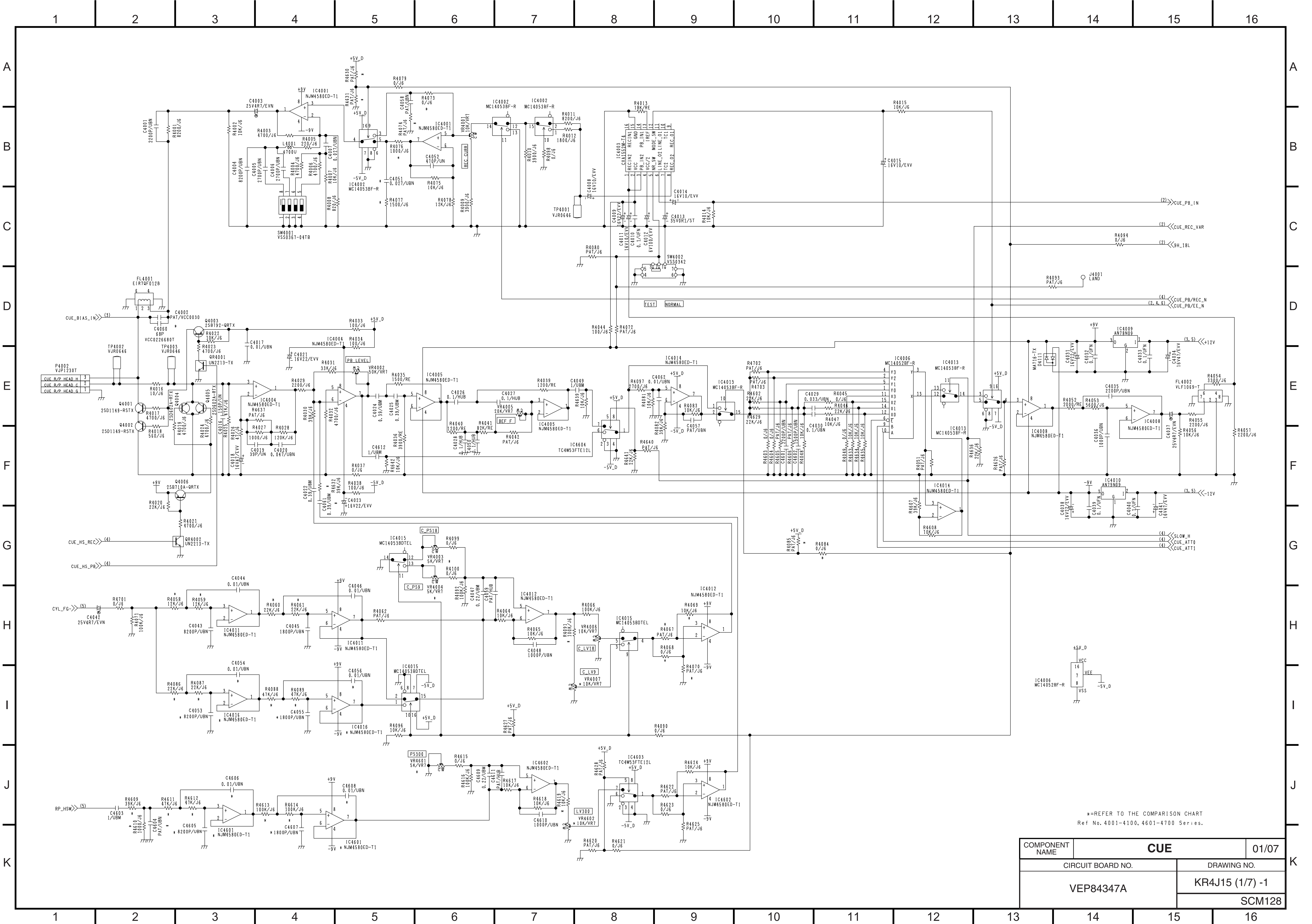
COMPONENT NAME	CMPST_OUT	04/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83467B	KR3X38 (4/6)	
	SCM125	


A1 A0 OUTPUT
0 0 IN0
0 1 IN1
1 0 IN2
1 1 IN3
SYNC_SEL
NTSC_L
SYNC_LVL
OFST_NTSC
OFST_PAL
ENC_DC_LVL
ENC_LVL
ENC_FREQ
VIDEO2_FREQ
VIDEO2_LVL
VIDEO3_LVL
IC401 ADV7171KS
IC400 ADV7171KS
IC403 AD8184AR-R
IC408 AD8056AR-R
IC404 VLF1482
IC405 GT4123B
IC407 AD8055AR-R
IC402 NE521D-T
IC406 TVHT08FTEL
Q400 2SB709-TX
Q401 XN4501-TX
Q402 2SB709-TX
Q403 2SB709-TX
Q404 XN4501-TX
Q405 XN4501-TX
VR400 200/VR8
VR401 100/VR8
VR402 1000/VR8
VR403 1000/VR8
VR404 2K/VR5
VR405 1000/VR8
VR406 100/VR8
VR407 100/VR8
DENC_H
DENC_FRM
DENC_RST_L
I2C_CLK
I2C_SDA_CPST
DENC_CFRST
CLK27_5
SD_SYSH_Y[2-9]
SD_SYSH_C[2-9]
ANA_CHAR_DATA
ANA_CHAR_GATE
DENC_HSYNC
CMP_C
VIDEO_OUT1
VIDEO_OUT2
VIDEO_OUT3
JP401
JP402
JP403
+A5V
-A5V
AGND

COMPONENT NAME	CMPST_OUT	05/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83467B		KR3X38 (5/6)
		SCM126

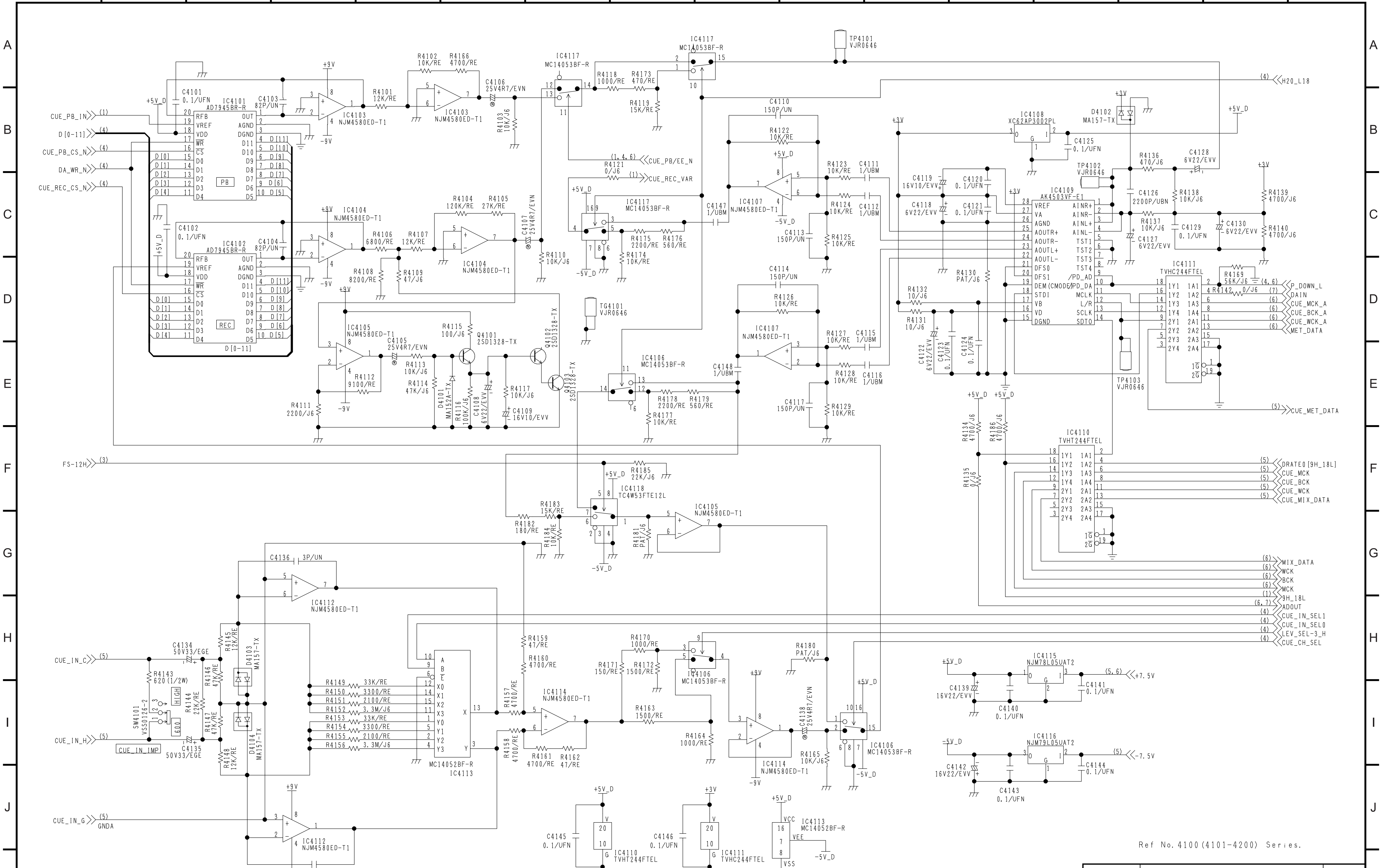

IC500
IDTLVC16245F
R500 10K/J3
R501 100/J3
1DIR
1OE
1A8 1A7 1A6 1A5 1A4 1A3 1A2 1A1
1B8 1B7 1B6 1B5 1B4 1B3 1B2 1B1
SYS_ADRS[0-12]
SYS_ADRS_D2[0-12]
R502 10K/J3
R503 100/J3
2DIR
2OE
2A8 2A7 2A6 2A5 2A4 2A3 2A2 2A1
2B8 2B7 2B6 2B5 2B4 2B3 2B2 2B1
+D3V
DGND
IC502
TLCX245FTEL
R504 10K/J3
R505 100/J3
DIR
G
SYS_IOWR_L
SYS_IORD_L
RST_L2
RATE_CONV_CS_L
SDI_ENC_CS_L
A1 A2 A3 A4 A5 A6 A7 A8
B1 B2 B3 B4 B5 B6 B7 B8
SD_SYSH_H
SD_SYSH_FRM
SD_SYSH_CF0
SD_SYSH_CF1
CHAR_DATA
CHAR_GATE
IC503
TVHC245FTEL
R506 10K/J3
R507 100/J3
SD_OUT_AUD12
SD_OUT_AUD34
SD_OUT_FS128
R508–R520 22/J3
R521–R525 22/J3
R526–R528 22/J3
+D12V
+D5R5V
+D5V
+D3V
P500
VJP4064K100C
A
NO
B
-D5R5V
R529–R536 22/J3
R537 22/J3
R538–R542 22/J3
R543–R552 22/J3
SYS_DATA[0-7]
D2_PIO[0-7]
DATA_422[0-9]
IC504
TVHC245FTEL
R553 10K/J3
R554 100/J3
D2_SUB_PIO[0-7]
CLK27_6
IC505
TLCX245FTEL
R555 10K/J3
R556 100/J3
SD_H
SD_FRM
SD_CF0
SD_CF1
CMP_C
SD_SYSH_DATA[0-9]
IC506
TLCX245FTEL
R557 10K/J3
R558 100/J3
IC500
IDTLVC16245F
VCC
GND
C500 0.1
C501 0.1
C502 0.1
C503 0.1
C504 0.1
C505 0.1
C506 0.1
IC502 TLCX245FTEL
IC503 TVHC245FTEL
IC505 TLCX245FTEL
IC506 TLCX245FTEL
IC504 TVHC245FTEL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

COMPONENT NAME	CMPST_OUT		06/06
CIRCUIT BOARD NO.		DRAWING NO.	
VEP83467B		KR3X38 (6/6)	
		SCM127	

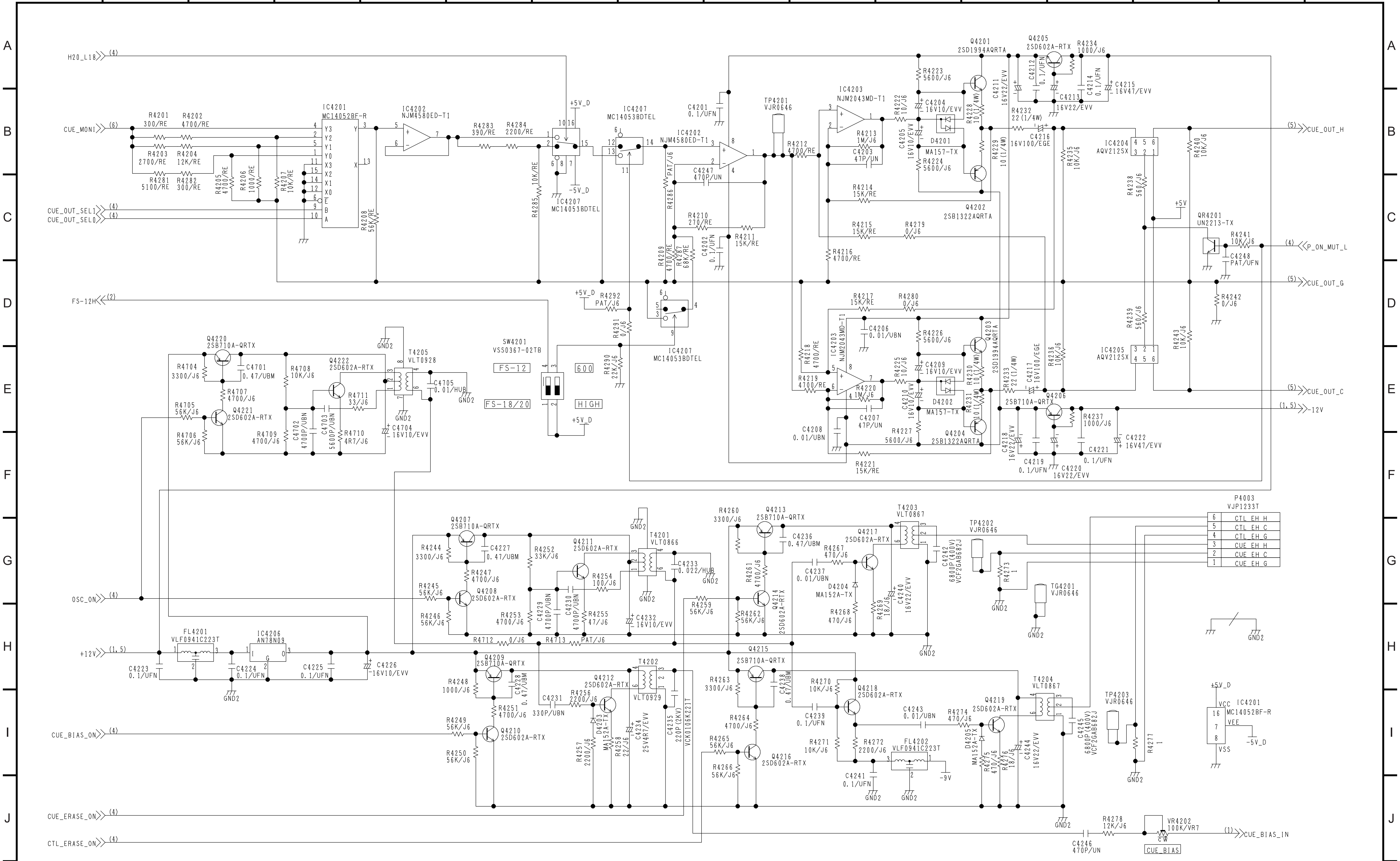

CUE_BIAS_IN (3)
CUE R/P HEAD H
CUE R/P HEAD C
CUE R/P HEAD G
P4002 VJP1230T
FL4001 EIR7QF012B
TP4002 VJR0646
TP4003 VJR0646
TP4001 VJR0646
Q4001 2SD1149-RSTX
Q4002 2SD1149-RSTX
Q4003 2SB792-QRTX
Q4004 2SD602A-RTX
Q4005 2SD602A-RTX
Q4006 2SB710A-QRTX
QR4001 UN2213-TX
QR4002 UN2213-TX
CUE_HS_REC (4)
CUE_HS_PB (4)
IC4001 NJM4580ED-T1
IC4002 MC14053BF-R
IC4003 CXA1552M-T4
IC4004 NJM4580ED-T1
IC4005 NJM4580ED-T1
IC4006 MC14052BF-R
IC4008 NJM4580ED-T1
IC4009 AN78N09
IC4010 AN79N09
IC4011 NJM4580ED-T1
IC4012 NJM4580ED-T1
IC4013 MC14053BF-R
IC4014 NJM4580ED-T1
IC4015 MC14053BDTEL
IC4016 NJM4580ED-T1
IC4601 NJM4580ED-T1
IC4602 NJM4580ED-T1
IC4603 TC4W53FTE12L
IC4604 TC4W53FTE12L
SW4001 VSS0361-04TB
SW4002 VSS0342
TEST
NORMAL
REC CURR
PB LEVEL
BEF F
C_PS18
C_PS9
C_LV18
C_LV9
P5300
LV300
VR4001 10K/VR7
VR4002 50K/VR7
VR4003 5K/VR7
VR4004 5K/VR7
VR4005 20K/VR7
VR4006 10K/VR7
VR4007 10K/VR7
VR4601 5K/VR7
VR4602 10K/VR7
FL4002 VLF1069-T
D4111 MA716-TX
J4001 LAND
(2) CUE_PB_IN
(2) CUE_REC_VAR
(2) SH_18L
(4) CUE_PB/REC_N
(2,4,6) CUE_PB/EE_N
(3,5) +12V
(3,5) -12V
(4) SLOW_H
(4) CUE_ATT0
(4) CUE_ATT1
CYL_FG (5)
RP_HSW (5)
+5V_D
-5V_D
+9V
-9V
IC4006 MC14052BF-R
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

*=REFER TO THE COMPARISON CHART
Ref No. 4001-4100, 4601-4700 Series.

COMPONENT NAME	CUE	01/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP84347A		KR4J15 (1/7) -1
		SCM128

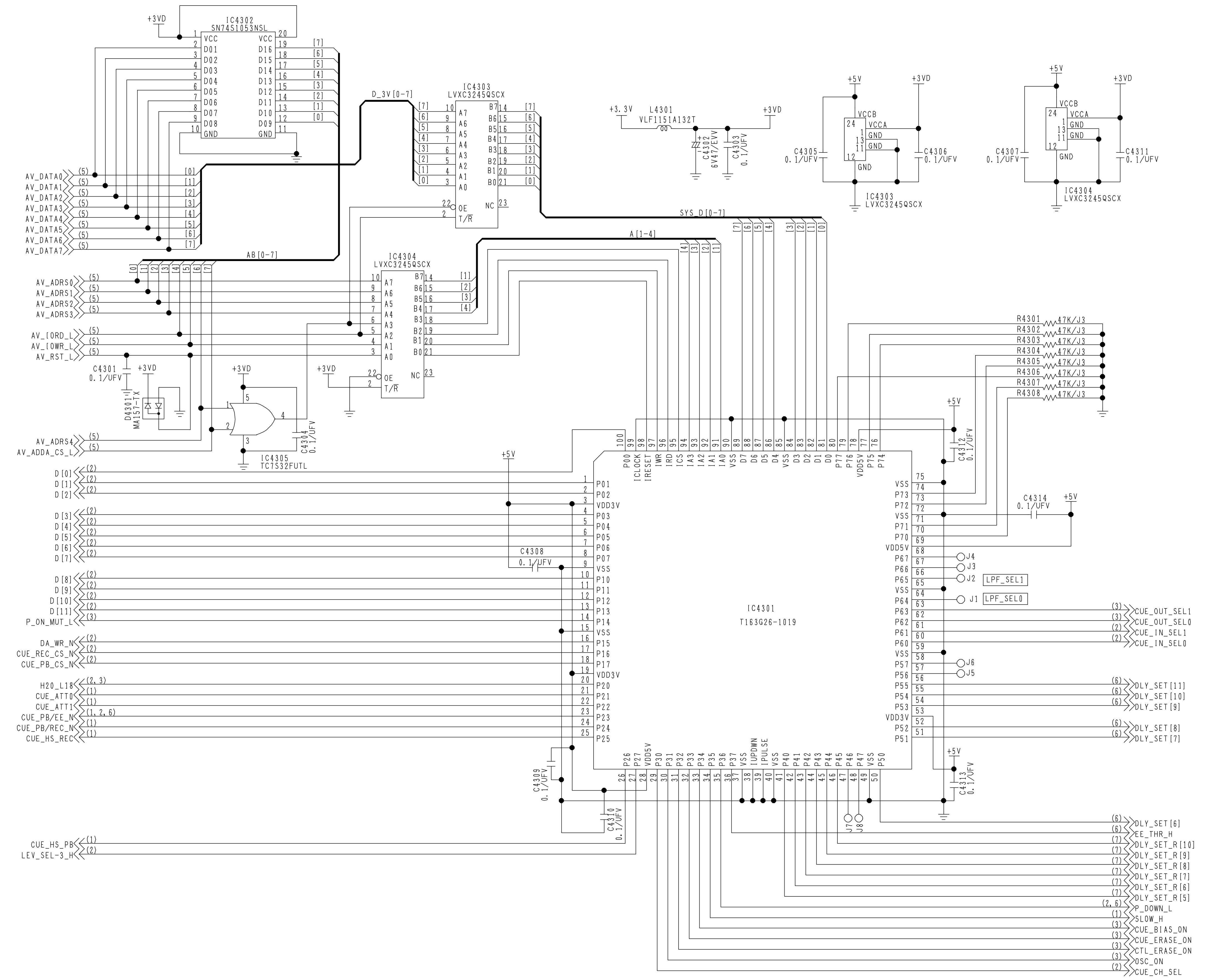

CUE_PB_IN
D[0-11]
CUE_PB_CS_N
DA_WR_N
CUE_REC_CS_N
IC4101 AD7945BR-R
PB
IC4102 AD7945BR-R
REC
IC4103 NJM4580ED-T1
IC4104 NJM4580ED-T1
IC4105 NJM4580ED-T1
IC4117 MC14053BF-R
TP4101 VJR0646
H20_L18
CUE_PB/EE_N
CUE_REC_VAR
IC4107 NJM4580ED-T1
IC4108 XC62AP3002PL
D4102 MA157-TX
TP4102 VJR0646
IC4109 AK4503VF-E1
IC4111 TVHC244FTEL
P_DOWN_L
DAIN
CUE_MCK_A
CUE_BCK_A
CUE_WCK_A
MET_DATA
TG4101 VJR0646
Q4101 2SD1328-TX
Q4102 2SD1328-TX
Q4103 2SD1328-TX
D4101 MA152A-TX
IC4106 MC14053BF-R
TP4103 VJR0646
CUE_MET_DATA
IC4110 TVHT244FTEL
FS-12H
DRATE0[9H_18L]
CUE_MCK
CUE_BCK
CUE_WCK
CUE_MIX_DATA
IC4118 TC4W53FTE12L
MIX_DATA
WCK
BCK
MCK
9H_18L
ADOUT
CUE_IN_SEL1
CUE_IN_SEL0
LEV_SEL-3_H
CUE_CH_SEL
IC4112 NJM4580ED-T1
CUE_IN_C
CUE_IN_H
CUE_IN_G
GNDA
SW4101 VSS0126-2
HIGH
600
CUE_IN_IMP
D4103 MA157-TX
D4104 MA157-TX
IC4113 MC14052BF-R
IC4114 NJM4580ED-T1
IC4115 NJM78L05UAT2
+7.5V
IC4116 NJM79L05UAT2
-7.5V
+5V_D
-5V_D
+9V
-9V
+3V
Ref No. 4100(4101-4200) Series.

COMPONENT NAME	CUE	02/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP84347A		KR4J15 (2/7) - 2
		SCM129


H20_L18 (4)
CUE_MONI (6)
CUE_OUT_SEL1 (4)
CUE_OUT_SEL0 (4)
FS-12H (2)
OSC_ON (4)
+12V (1, 5)
CUE_BIAS_ON (4)
CUE_ERASE_ON (4)
CTL_ERASE_ON (4)
IC4201 MC14052BF-R
IC4202 NJM4580ED-T1
IC4207 MC14053BDTEL
IC4203 NJM2043MD-T1
IC4204 AQV212SX
IC4205 AQV212SX
IC4206 AN78N09
TP4201 VJR0646
TP4202 VJR0646
TP4203 VJR0646
TG4201 VJR0646
Q4201 2SD1994AQRTA
Q4202 2SB1322AQRTA
Q4203 2SD1994AQRTA
Q4204 2SB1322AQRTA
Q4205 2SD602A-RTX
Q4206 2SB710A-QRTX
QR4201 UN2213-TX
D4201 MA157-TX
D4202 MA157-TX
SW4201 VSS0367-02TB
FS-12
FS-18/20
600
HIGH
T4205 VLT0928
T4201 VLT0866
T4202 VLT0929
T4203 VLT0867
T4204 VLT0867
FL4201 VLF0941C223T
FL4202 VLF0941C223T
P4003 VJP1233T
6 CTL EH H
5 CTL EH C
4 CTL EH G
3 CUE EH H
2 CUE EH C
1 CUE EH G
VR4202 100K/VR7
CUE_BIAS
CUE_BIAS_IN (1)
CUE_OUT_H (5)
CUE_OUT_G (5)
CUE_OUT_C (5)
P_ON_MUT_L (4)
-12V (1, 5)
+5V_D
-5V_D
GND2
-9V

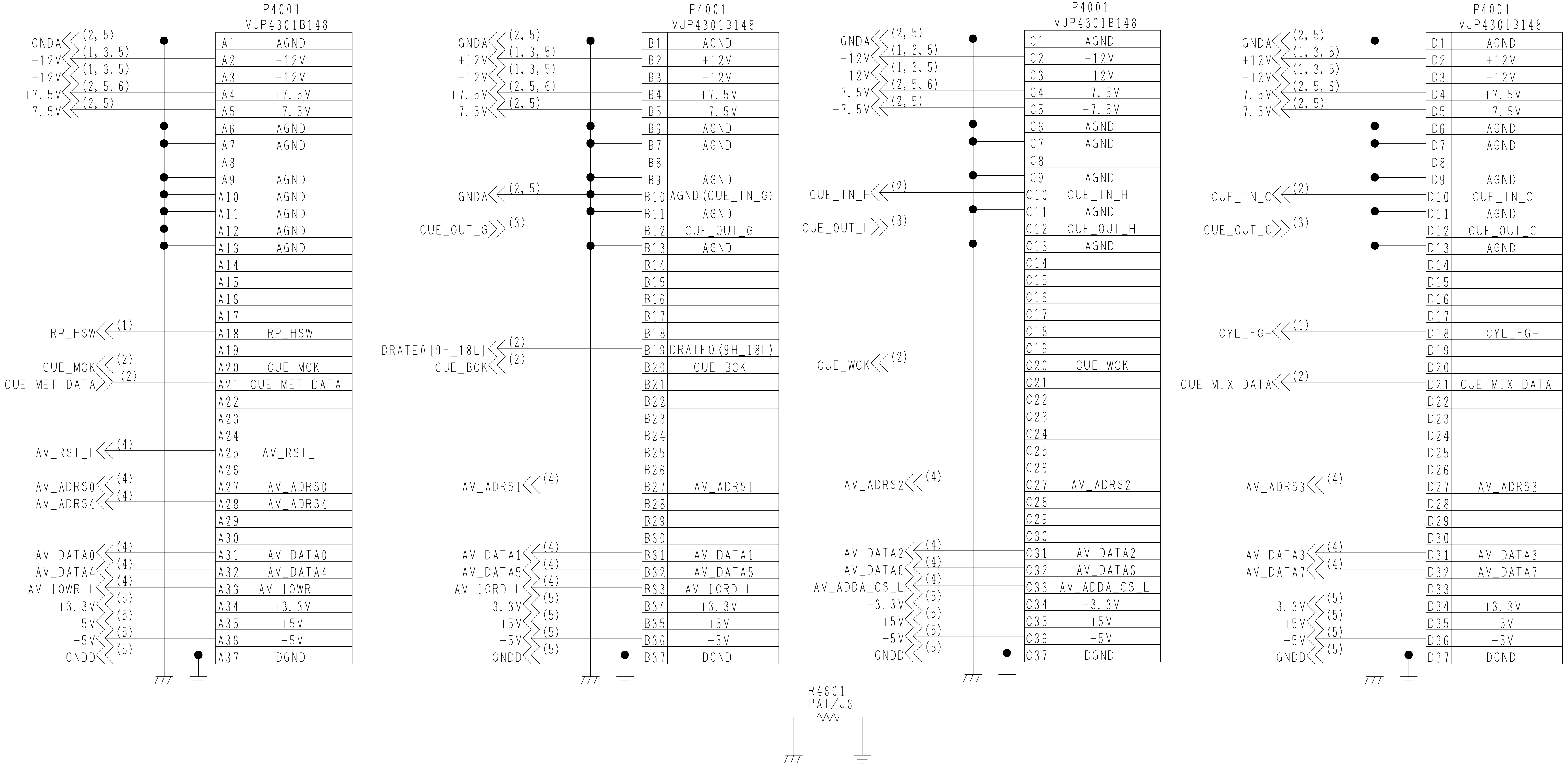
Ref No4000 Series (4201-4300)

COMPONENT NAME	CUE	03/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP84347A		KR4J15 (3/7) - 3
		SCM130


IC4302
SN74S1053NSL
IC4303
LVXC3245QSCX
IC4304
LVXC3245QSCX
IC4305
TC7S32FUTL
IC4301
T163G26-1019
L4301
VLF1151A132T
C4301 0.1/UFV
C4302 6V47/EVV
C4303 0.1/UFV
C4304 0.1/UFV
C4305 0.1/UFV
C4306 0.1/UFV
C4307 0.1/UFV
C4308 0.1/UFV
C4309 0.1/UFV
C4310 0.1/UFV
C4311 0.1/UFV
C4312 0.1/UFV
C4313 0.1/UFV
C4314 0.1/UFV
D4301 MA157-TX
R4301 47K/J3
R4302 47K/J3
R4303 47K/J3
R4304 47K/J3
R4305 47K/J3
R4306 47K/J3
R4307 47K/J3
R4308 47K/J3
+3VD
+3.3V
+5V
D_3V[0-7]
AB[0-7]
A[1-4]
SYS_D[0-7]
AV_DATA0
AV_DATA1
AV_DATA2
AV_DATA3
AV_DATA4
AV_DATA5
AV_DATA6
AV_DATA7
AV_ADRS0
AV_ADRS1
AV_ADRS2
AV_ADRS3
AV_[ORD_L
AV_[OWR_L
AV_RST_L
AV_ADRS4
AV_ADDA_CS_L
D[0]
D[1]
D[2]
D[3]
D[4]
D[5]
D[6]
D[7]
D[8]
D[9]
D[10]
D[11]
P_ON_MUT_L
DA_WR_N
CUE_REC_CS_N
CUE_PB_CS_N
H20_L18
CUE_ATT0
CUE_ATT1
CUE_PB/EE_N
CUE_PB/REC_N
CUE_HS_REC
CUE_HS_PB
LEV_SEL-3_H
J1 LPF_SEL0
J2 LPF_SEL1
J3
J4
J5
J6
J7
J8
CUE_OUT_SEL1
CUE_OUT_SEL0
CUE_IN_SEL1
CUE_IN_SEL0
DLY_SET[11]
DLY_SET[10]
DLY_SET[9]
DLY_SET[8]
DLY_SET[7]
DLY_SET[6]
EE_THR_H
DLY_SET_R[10]
DLY_SET_R[9]
DLY_SET_R[8]
DLY_SET_R[7]
DLY_SET_R[6]
DLY_SET_R[5]
P_DOWN_L
SLOW_H
CUE_BIAS_ON
CUE_ERASE_ON
CTL_ERASE_ON
OSC_ON
CUE_CH_SEL

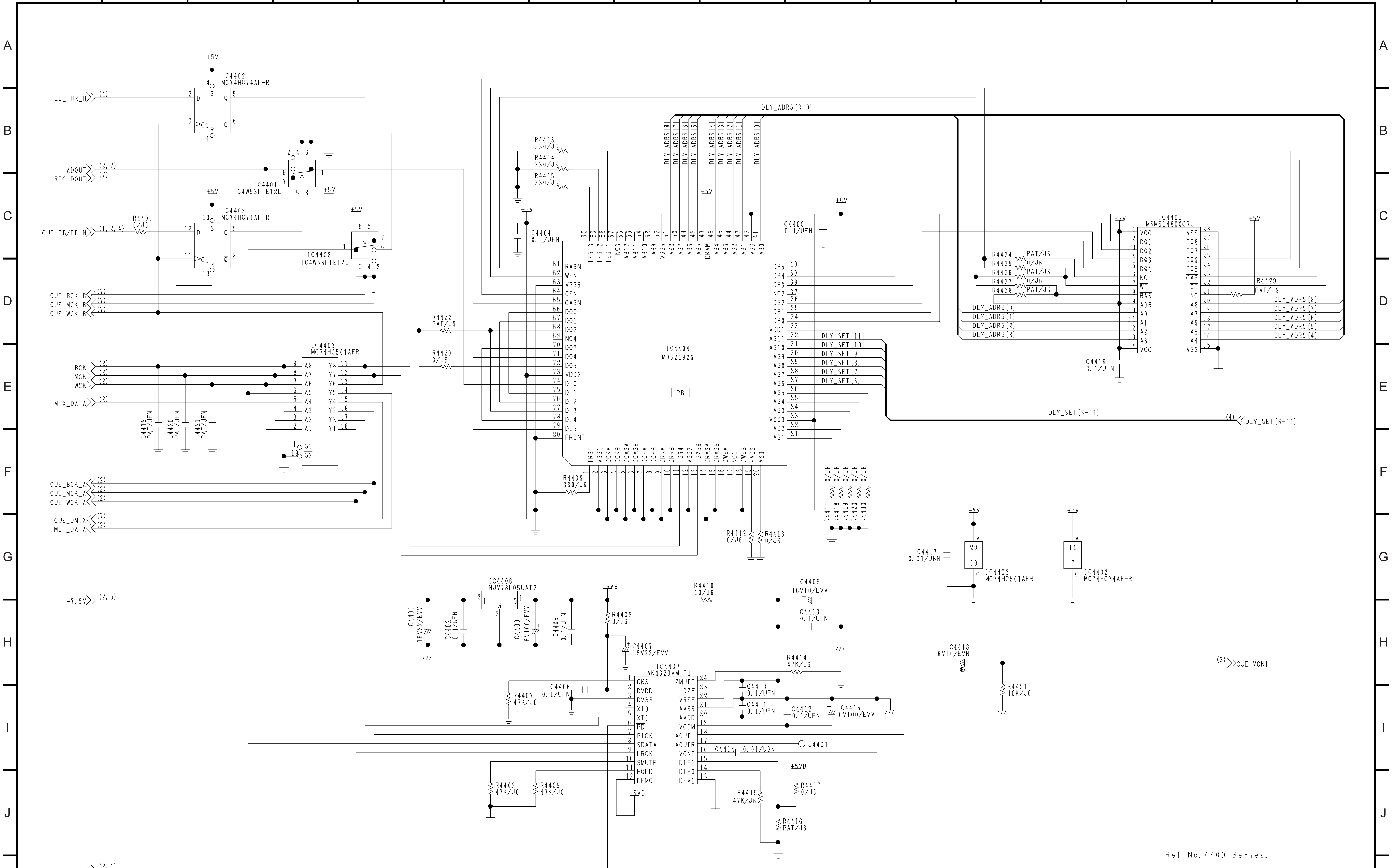
Ref No. 4300 Series.

COMPONENT NAME	CUE	04/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP84347A		KR4J15 (4/7) - 4
		SCM131


P4001
VJP4301B148
GNDA (2, 5)
+12V (1, 3, 5)
-12V (1, 3, 5)
+7.5V (2, 5, 6)
-7.5V (2, 5)
A1 AGND
A2 +12V
A3 -12V
A4 +7.5V
A5 -7.5V
A6 AGND
A7 AGND
A8
A9 AGND
A10 AGND
A11 AGND
A12 AGND
A13 AGND
A14
A15
A16
A17
A18 RP_HSW
A19
A20 CUE_MCK
A21 CUE_MET_DATA
A22
A23
A24
A25 AV_RST_L
A26
A27 AV_ADRS0
A28 AV_ADRS4
A29
A30
A31 AV_DATA0
A32 AV_DATA4
A33 AV_IOWR_L
A34 +3.3V
A35 +5V
A36 -5V
A37 DGND
RP_HSW (1)
CUE_MCK (2)
CUE_MET_DATA (2)
AV_RST_L (4)
AV_ADRS0 (4)
AV_ADRS4 (4)
AV_DATA0 (4)
AV_DATA4 (4)
AV_IOWR_L (4)
+3.3V (5)
+5V (5)
-5V (5)
GNDD (5)
B1 AGND
B2 +12V
B3 -12V
B4 +7.5V
B5 -7.5V
B6 AGND
B7 AGND
B8
B9 AGND
B10 AGND (CUE_IN_G)
B11 AGND
B12 CUE_OUT_G
B13 AGND
B14
B15
B16
B17
B18
B19 DRATE0 (9H_18L)
B20 CUE_BCK
B21
B22
B23
B24
B25
B26
B27 AV_ADRS1
B28
B29
B30
B31 AV_DATA1
B32 AV_DATA5
B33 AV_IORD_L
B34 +3.3V
B35 +5V
B36 -5V
B37 DGND
GNDA (2, 5)
CUE_OUT_G (3)
DRATE0 [9H_18L] (2)
CUE_BCK (2)
AV_ADRS1 (4)
AV_DATA1 (4)
AV_DATA5 (4)
AV_IORD_L (4)
C1 AGND
C2 +12V
C3 -12V
C4 +7.5V
C5 -7.5V
C6 AGND
C7 AGND
C8
C9 AGND
C10 CUE_IN_H
C11 AGND
C12 CUE_OUT_H
C13 AGND
C14
C15
C16
C17
C18
C19
C20 CUE_WCK
C21
C22
C23
C24
C25
C26
C27 AV_ADRS2
C28
C29
C30
C31 AV_DATA2
C32 AV_DATA6
C33 AV_ADDA_CS_L
C34 +3.3V
C35 +5V
C36 -5V
C37 DGND
CUE_IN_H (2)
CUE_OUT_H (3)
CUE_WCK (2)
AV_ADRS2 (4)
AV_DATA2 (4)
AV_DATA6 (4)
AV_ADDA_CS_L (4)
D1 AGND
D2 +12V
D3 -12V
D4 +7.5V
D5 -7.5V
D6 AGND
D7 AGND
D8
D9 AGND
D10 CUE_IN_C
D11 AGND
D12 CUE_OUT_C
D13 AGND
D14
D15
D16
D17
D18 CYL_FG-
D19
D20
D21 CUE_MIX_DATA
D22
D23
D24
D25
D26
D27 AV_ADRS3
D28
D29
D30
D31 AV_DATA3
D32 AV_DATA7
D33
D34 +3.3V
D35 +5V
D36 -5V
D37 DGND
CUE_IN_C (2)
CUE_OUT_C (3)
CYL_FG- (1)
CUE_MIX_DATA (2)
AV_ADRS3 (4)
AV_DATA3 (4)
AV_DATA7 (4)
R4601
PAT/J6

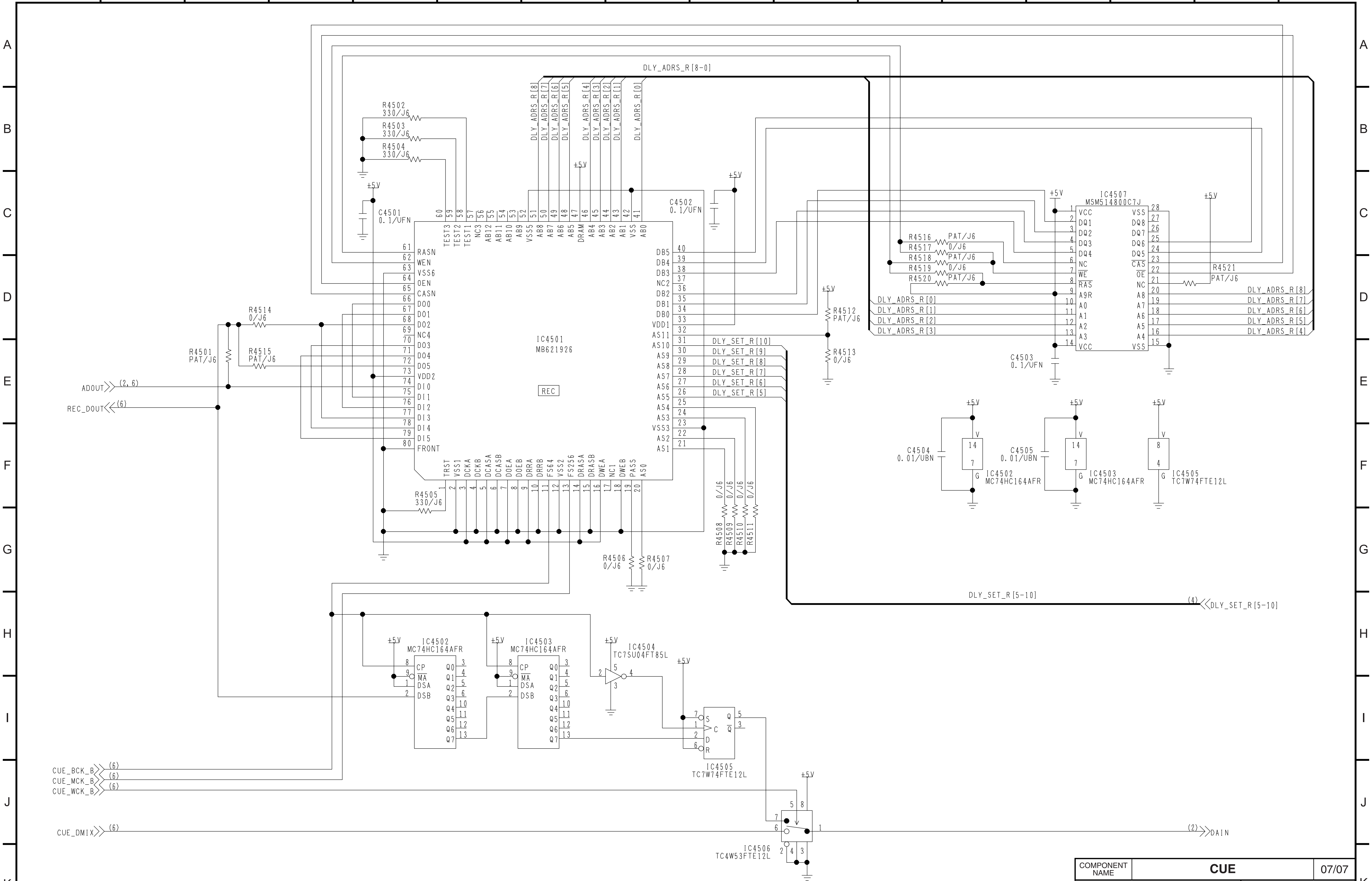
Ref No. 4000 Series.

COMPONENT NAME	CUE		05/07
CIRCUIT BOARD NO.		DRAWING NO.	
VEP84347A		KR4J15 (5/7) - 5	
		SCM132	


EE_THR_H (4)
ADOUT (2, 7)
REC_DOUT (7)
CUE_PB/EE_N (1, 2, 4)
R4401 0/J6
IC4402 MC74HC74AF-R
IC4401 TC4W53FTE12L
IC4408 TC4W53FTE12L
+5V
CUE_BCK_B (7)
CUE_MCK_B (7)
CUE_WCK_B (7)
IC4403 MC74HC541AFR
BCK (2)
MCK (2)
WCK (2)
MIX_DATA (2)
C4419 PAT/UFN
C4420 PAT/UFN
C4421 PAT/UFN
CUE_BCK_A (2)
CUE_MCK_A (2)
CUE_WCK_A (2)
CUE_DMIX (7)
MET_DATA (2)
R4403 330/J6
R4404 330/J6
R4405 330/J6
C4404 0.1/UFN
R4422 PAT/J6
R4423 0/J6
IC4404 MB621926
PB
DLY_ADRS[8-0]
C4408 0.1/UFN
R4406 330/J6
R4412 0/J6
R4413 0/J6
R4411 0/J6
R4418 0/J6
R4419 0/J6
R4420 0/J6
R4430 0/J6
DLY_SET[11]
DLY_SET[10]
DLY_SET[9]
DLY_SET[8]
DLY_SET[7]
DLY_SET[6]
DLY_SET[6-11]
(4) DLY_SET[6-11]
IC4405 MSM514800C7J
R4424 PAT/J6
R4425 0/J6
R4426 PAT/J6
R4427 0/J6
R4428 PAT/J6
R4429 PAT/J6
C4416 0.1/UFN
DLY_ADRS[0]
DLY_ADRS[1]
DLY_ADRS[2]
DLY_ADRS[3]
DLY_ADRS[4]
DLY_ADRS[5]
DLY_ADRS[6]
DLY_ADRS[7]
DLY_ADRS[8]
C4417 0.01/UBN
IC4403 MC74HC541AFR
IC4402 MC74HC74AF-R
+7.5V (2, 5)
IC4406 NJM78L05UAT2
C4401 16V22/EVV
C4402 0.1/UFN
C4403 6V100/EVV
C4405 0.1/UFN
+5VB
R4408 0/J6
C4407 16V22/EVV
R4410 10/J6
C4409 16V10/EVV
C4413 0.1/UFN
IC4407 AK4320VM-E1
R4407 47K/J6
C4406 0.1/UFN
R4414 47K/J6
C4410 0.1/UFN
C4411 0.1/UFN
C4412 0.1/UFN
C4415 6V100/EVV
C4414 0.01/UBN
J4401
C4418 16V10/EVN
(3) CUE_MONI
R4421 10K/J6
R4402 47K/J6
R4409 47K/J6
R4415 47K/J6
R4416 PAT/J6
R4417 0/J6
P_DOWN_L (2, 4)

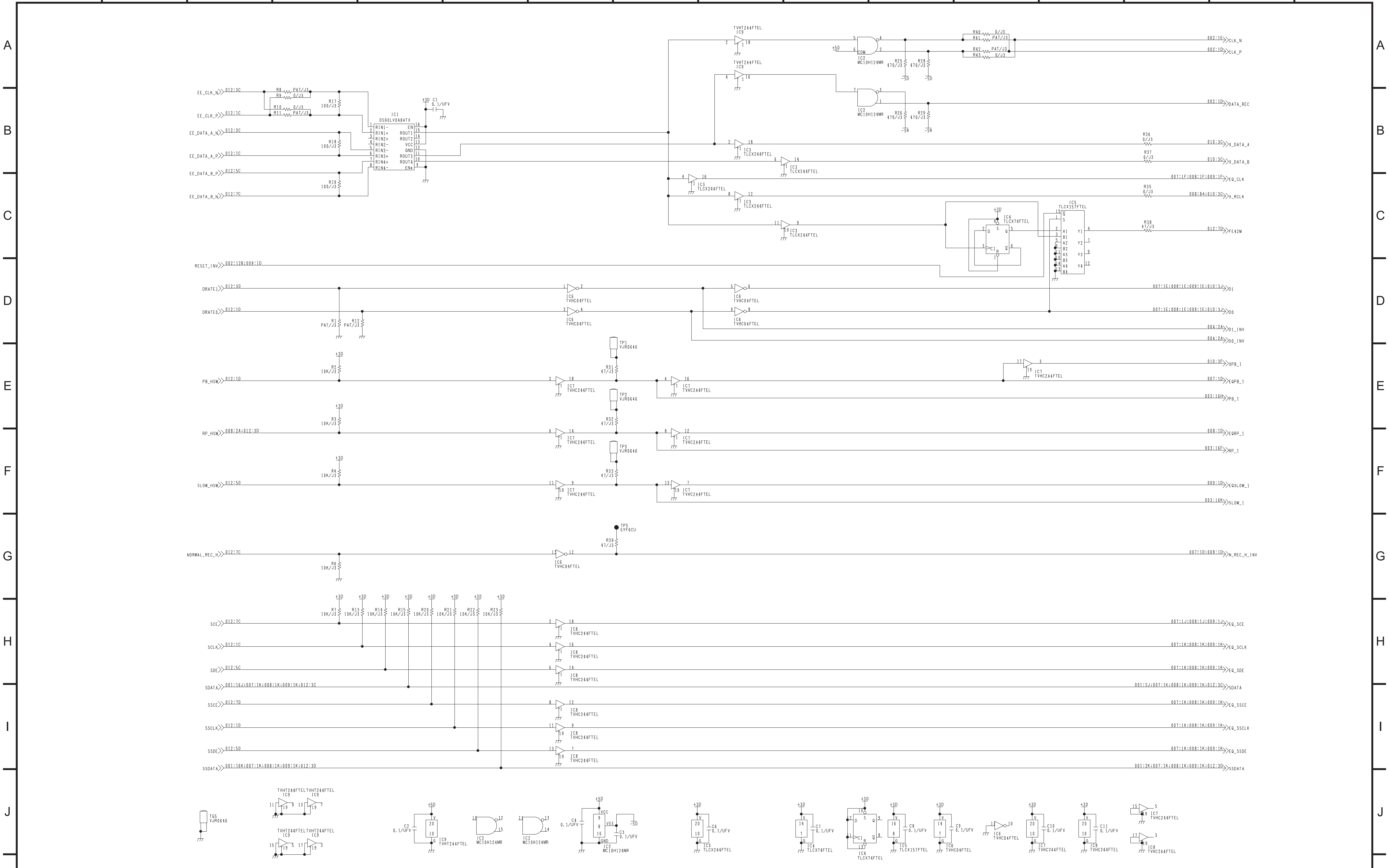
Ref No. 4400 Series.

COMPONENT NAME	CUE	06/07
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84347A	KR4J15 (6/7) - 6	
	SCM133	

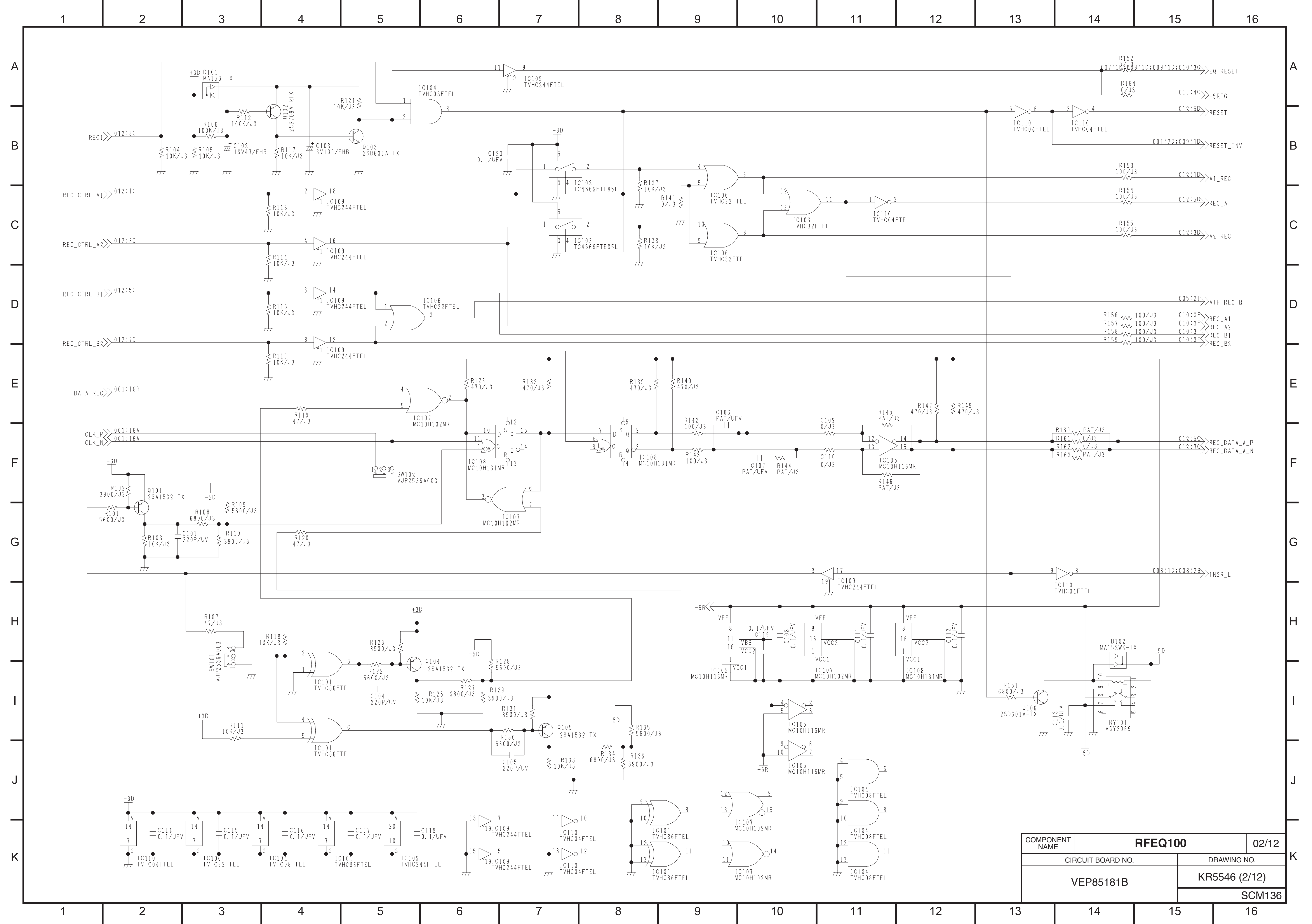

IC4501
MB621926
REC
IC4507
MSM514800C7J
IC4502
MC74HC164AFR
IC4503
MC74HC164AFR
IC4504
TC7SU04FT85L
IC4505
TC7W74FTE12L
IC4506
TC4W53FTE12L
DLY_ADRS_R[8-0]
DLY_SET_R[5-10]
ADOUT (2, 6)
REC_DOUT (6)
CUE_BCK_B (6)
CUE_MCK_B (6)
CUE_WCK_B (6)
CUE_DMIX (6)
(2) DAIN
(4) DLY_SET_R[5-10]
R4501 PAT/J6
R4502 330/J6
R4503 330/J6
R4504 330/J6
R4505 330/J6
R4506 0/J6
R4507 0/J6
R4508 0/J6
R4509 0/J6
R4510 0/J6
R4511 0/J6
R4512 PAT/J6
R4513 0/J6
R4514 0/J6
R4515 PAT/J6
R4516 PAT/J6
R4517 0/J6
R4518 PAT/J6
R4519 0/J6
R4520 PAT/J6
R4521 PAT/J6
C4501 0.1/UFN
C4502 0.1/UFN
C4503 0.1/UFN
C4504 0.01/UBN
C4505 0.01/UBN
+5V

Ref No. 4500 Series.

COMPONENT NAME	CUE	07/07
CIRCUIT BOARD NO.		DRAWING NO.
VEP84347A		KR4J15 (7/7) - 7
		SCM134

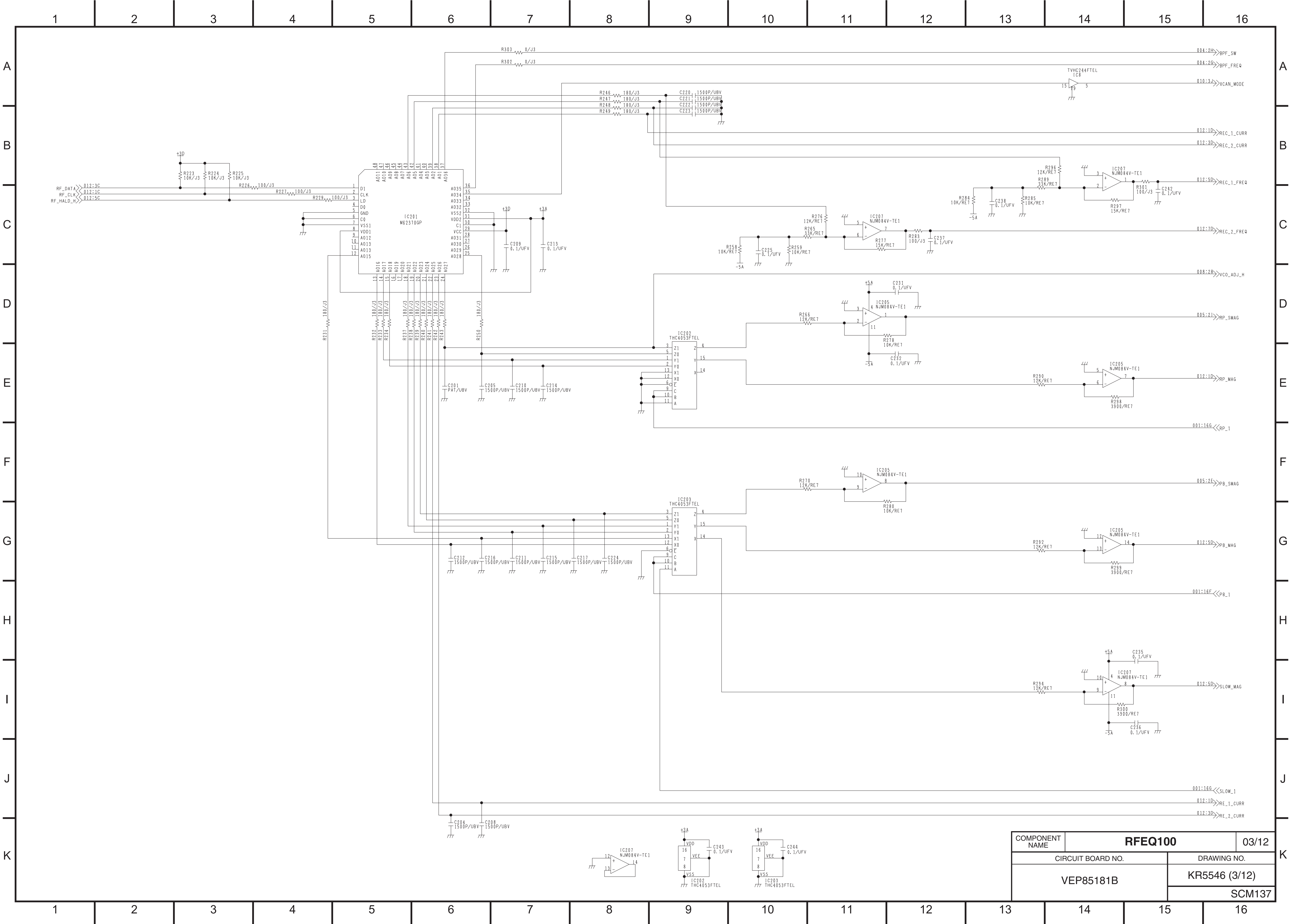

EE_CLK_N
EE_CLK_P
EE_DATA_A_N
EE_DATA_A_P
EE_DATA_B_P
EE_DATA_B_N
IC1
DS90LV048ATX
RESET_INV
DRATE1
DRATE0
PB_HSW
RP_HSW
SLOW_HSW
NORMAL_REC_H
SCE
SCLK
SDE
SDATA
SSCE
SSCLK
SSDE
SSDATA
TVHT244FTEL
MC10H124MR
TLCX244FTEL
TLCX74FTEL
TLCX157FTEL
TVHC04FTEL
TVHC244FTEL
TP1
TP2
TP3
VJR0646
TP5
EYF6CU
TG5
CLK_N
CLK_P
DATA_REC
X_DATA_A
X_DATA_B
EQ_CLK
X_RCLK
FE42M
D1
D0
D1_INV
D0_INV
XPB_1
EQPB_1
PB_1
EQRP_1
RP_1
EQSLOW_1
SLOW_1
N_REC_H_INV
EQ_SCE
EQ_SCLK
EQ_SDE
SDATA
EQ_SSCE
EQ_SSCLK
EQ_SSDE
SSDATA

COMPONENT NAME	RFEQ100	01/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (1/12)	
	SCM135	

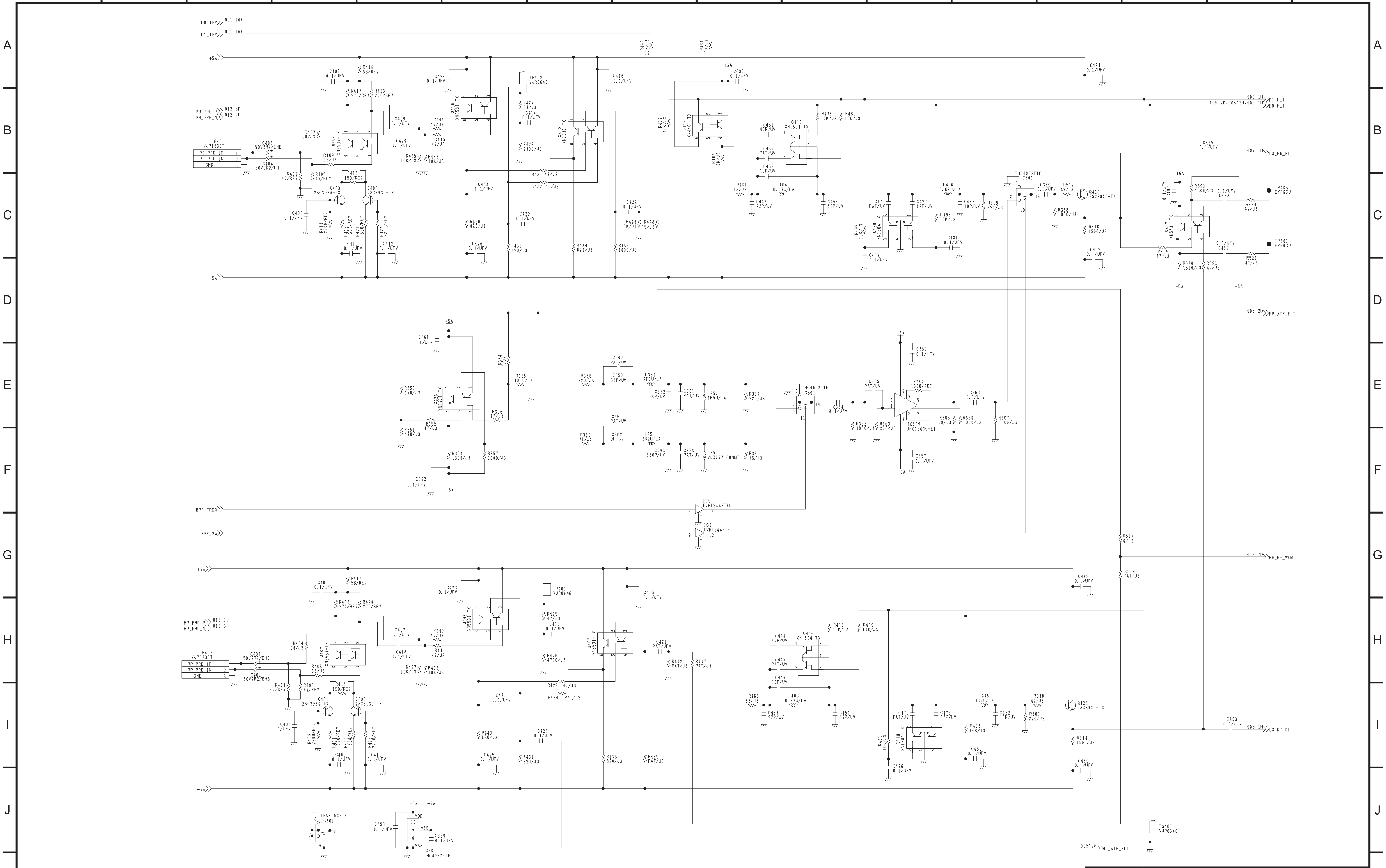


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K
REC1
REC_CTRL_A1 012:1C
REC_CTRL_A2 012:3C
REC_CTRL_B1 012:5C
REC_CTRL_B2 012:7C
DATA_REC 001:16B
CLK_P 001:16A
CLK_N 001:16A
EQ_RESET 007:1D:008:1D:009:1D:010:3G
-5REG 011:4C
RESET 012:5D
RESET_INV 001:2D:009:1D
A1_REC 012:1D
REC_A 012:5D
A2_REC 012:3D
ATF_REC_B 005:2I
REC_A1 010:3F
REC_A2 010:3F
REC_B1 010:3F
REC_B2 010:3F
REC_DATA_A_P 012:5C
REC_DATA_A_N 012:7C
INSR_L 008:1D:008:2B
+3D
+5D
-5D
-5R
D101 MA153-TX
D102 MA152WK-TX
Q101 2SA1532-TX
Q102 2SB709A-RTX
Q103 2SD601A-TX
Q104 2SA1532-TX
Q105 2SA1532-TX
Q106 2SD601A-TX
IC101 TVHC86FTEL
IC102 TC4S66FTE85L
IC103 TC4S66FTE85L
IC104 TVHC08FTEL
IC105 MC10H116MR
IC106 TVHC32FTEL
IC107 MC10H102MR
IC108 MC10H131MR
IC109 TVHC244FTEL
IC110 TVHC04FTEL
SW101 VJP2536A003
SW102 VJP2536A003
RY101 VSY2069
C101 220P/UV
C102 16V47/EHB
C103 6V100/EHB
C104 220P/UV
C105 220P/UV
C106 PAT/UFV
C107 PAT/UFV
C108 0.1/UFV
C109 0/J3
C110 0/J3
C111 0.1/UFV
C112 0.1/UFV
C113 0.1/UFV
C114 0.1/UFV
C115 0.1/UFV
C116 0.1/UFV
C117 0.1/UFV
C118 0.1/UFV
C119 0.1/UFV
C120 0.1/UFV
R101 5600/J3
R102 3900/J3
R103 10K/J3
R104 10K/J3
R105 10K/J3
R106 100K/J3
R107 47/J3
R108 6800/J3
R109 5600/J3
R110 3900/J3
R111 10K/J3
R112 100K/J3
R113 10K/J3
R114 10K/J3
R115 10K/J3
R116 10K/J3
R117 10K/J3
R118 10K/J3
R119 47/J3
R120 47/J3
R121 10K/J3
R122 5600/J3
R123 3900/J3
R125 10K/J3
R126 470/J3
R127 6800/J3
R128 5600/J3
R129 3900/J3
R130 5600/J3
R131 3900/J3
R132 470/J3
R133 10K/J3
R134 6800/J3
R135 5600/J3
R136 3900/J3
R137 10K/J3
R138 10K/J3
R139 470/J3
R140 470/J3
R141 0/J3
R142 100/J3
R143 100/J3
R144 PAT/J3
R145 PAT/J3
R146 PAT/J3
R147 470/J3
R149 470/J3
R151 6800/J3
R152 0/J3
R153 100/J3
R154 100/J3
R155 100/J3
R156 100/J3
R157 100/J3
R158 100/J3
R159 100/J3
R160 PAT/J3
R161 0/J3
R162 0/J3
R163 PAT/J3
R164 0/J3
VEE VCC1 VCC2 VBB

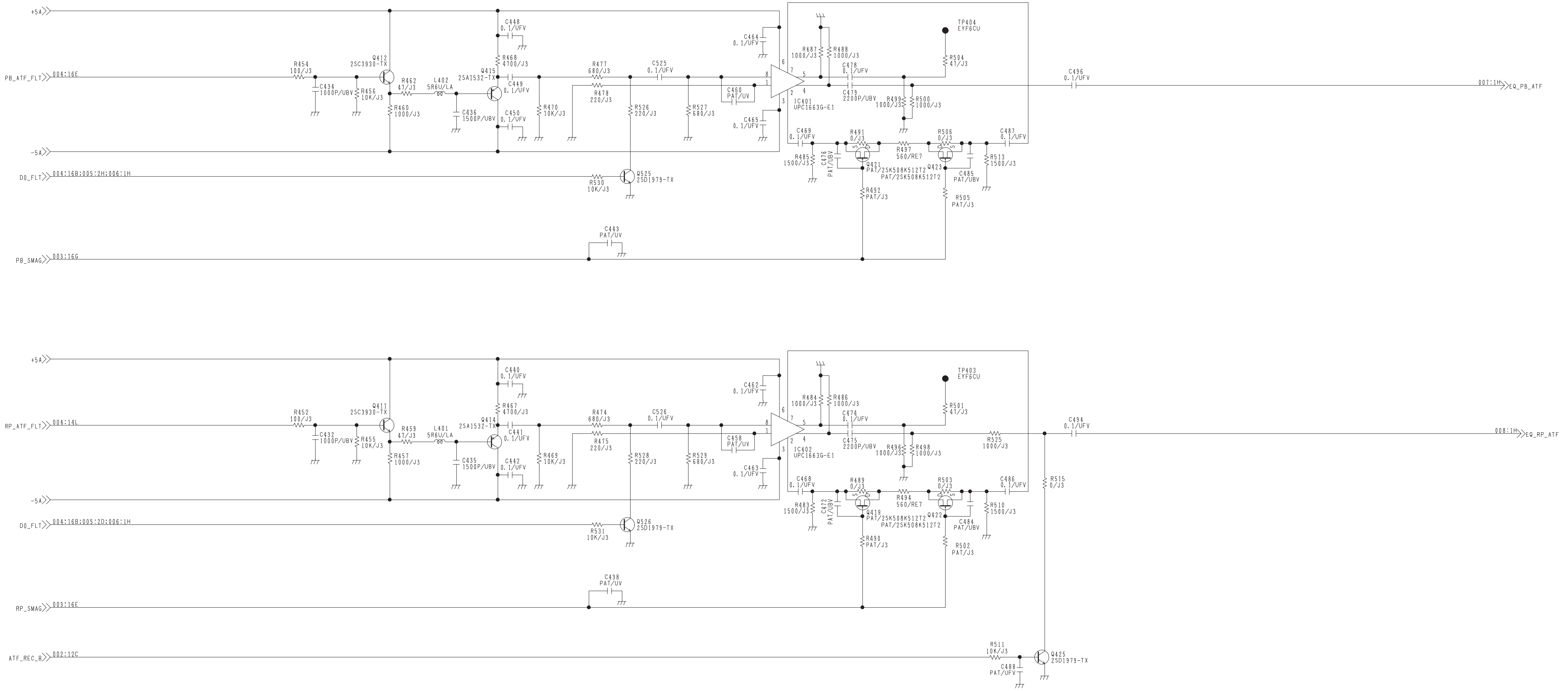
COMPONENT NAME	RFEQ100	02/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (2/12)	
	SCM136	


IC201
M62370GP
IC202
THC4053FTEL
IC203
THC4053FTEL
IC205
NJM084V-TE1
IC207
NJM084V-TE1
IC8
TVHC244FTEL
RF_DATA
RF_CLK
RF_HALD_H
012:3C
012:1C
012:5C
+3D
+3A
+5A
-5A
R223 10K/J3
R224 10K/J3
R225 10K/J3
R226 100/J3
R227 100/J3
R229 100/J3
R302 0/J3
R303 0/J3
R246 180/J3
R247 180/J3
R248 180/J3
R249 180/J3
C220 1500P/UBV
C221 1500P/UBV
C222 1500P/UBV
C223 1500P/UBV
C209 0.1/UFV
C213 0.1/UFV
R231 180/J3
R232 180/J3
R233 180/J3
R234 180/J3
R237 180/J3
R238 180/J3
R239 180/J3
R240 180/J3
R241 180/J3
R242 180/J3
R243 180/J3
R250 180/J3
C201 PAT/UBV
C205 1500P/UBV
C210 1500P/UBV
C214 1500P/UBV
C212 1500P/UBV
C216 1500P/UBV
C211 1500P/UBV
C215 1500P/UBV
C217 1500P/UBV
C224 1500P/UBV
C204 1500P/UBV
C208 1500P/UBV
R258 10K/RE7
C225 0.1/UFV
R259 10K/RE7
R265 33K/RE7
R276 12K/RE7
R277 15K/RE7
R283 100/J3
C237 0.1/UFV
R284 10K/RE7
C238 0.1/UFV
R285 10K/RE7
R289 33K/RE7
R296 12K/RE7
R297 15K/RE7
R301 100/J3
C242 0.1/UFV
C231 0.1/UFV
C232 0.1/UFV
R266 12K/RE7
R278 10K/RE7
R290 13K/RE7
R298 3900/RE7
R270 12K/RE7
R280 10K/RE7
R292 13K/RE7
R299 3900/RE7
R294 13K/RE7
R300 3900/RE7
C235 0.1/UFV
C236 0.1/UFV
C243 0.1/UFV
C244 0.1/UFV
004:2H BPF_SW
004:2G BPF_FREQ
010:3J XCAN_MODE
012:1D REC_1_CURR
012:3D REC_2_CURR
012:5D REC_1_FREQ
012:7D REC_2_FREQ
008:2B VCO_ADJ_H
005:2I RP_SMAG
012:1D RP_MAG
001:16G RP_1
005:2E PB_SMAG
012:5D PB_MAG
001:16F PB_1
012:5D SLOW_MAG
001:16G SLOW_1
012:1D RE_1_CURR
012:3D RE_2_CURR
VDD
VEE
VSS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

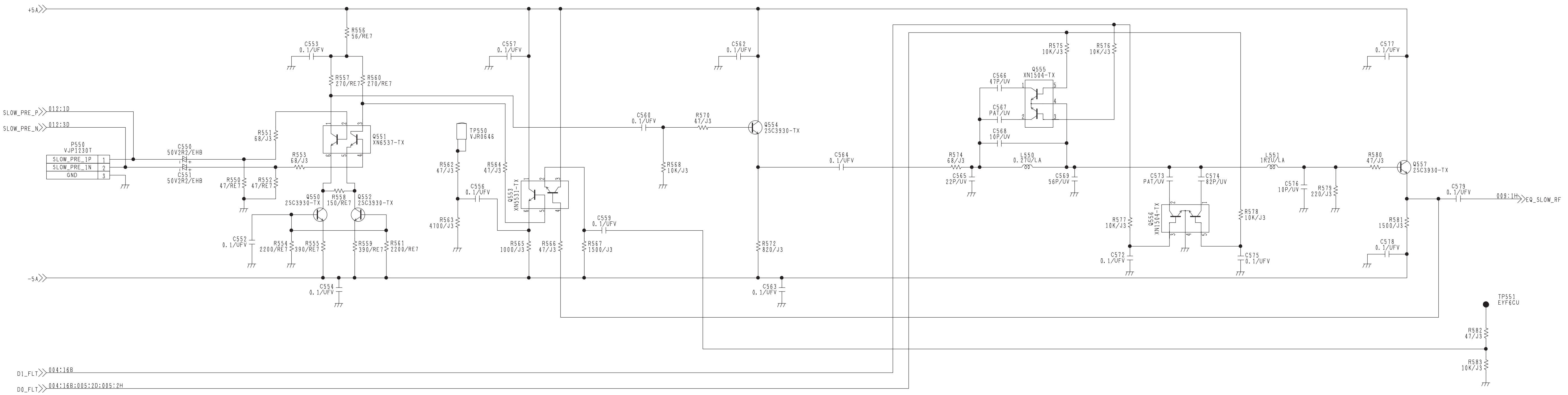
COMPONENT NAME	RFEQ100	03/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (3/12)	
	SCM137	


D0_INV
D1_INV
+5A
-5A
PB_PRE_P
PB_PRE_N
P401
VJP1230T
PB_PRE_IP
PB_PRE_IN
GND
RP_PRE_P
RP_PRE_N
P402
VJP1230T
RP_PRE_IP
RP_PRE_IN
GND
TP402
VJR0646
TP401
VJR0646
TP405
EYF6CU
TP406
EYF6CU
TG407
VJR0646
Q403
2SC3930-TX
Q406
2SC3930-TX
Q404
XN6531-TX
Q410
XN6531-TX
Q408
XN6531-TX
Q413
XN4401-TX
Q417
XN1504-TX
Q420
XN1504-TX
Q426
2SC3930-TX
Q427
XN6531-TX
Q428
XN6531-TX
Q401
2SC3930-TX
Q405
2SC3930-TX
Q402
XN6531-TX
Q409
XN6531-TX
Q407
XN6531-TX
Q416
XN1504-TX
Q418
XN1504-TX
Q424
2SC3930-TX
IC301
THC4053FTEL
IC302
UPC1663G-E1
IC9
TVHT244FTEL
BPF_FREQ
BPF_SW
D1_FLT
D0_FLT
EQ_PB_RF
PB_ATF_FLT
PB_RF_WFM
EQ_RP_RF
RP_ATF_FLT
VDD
VEE
VSS

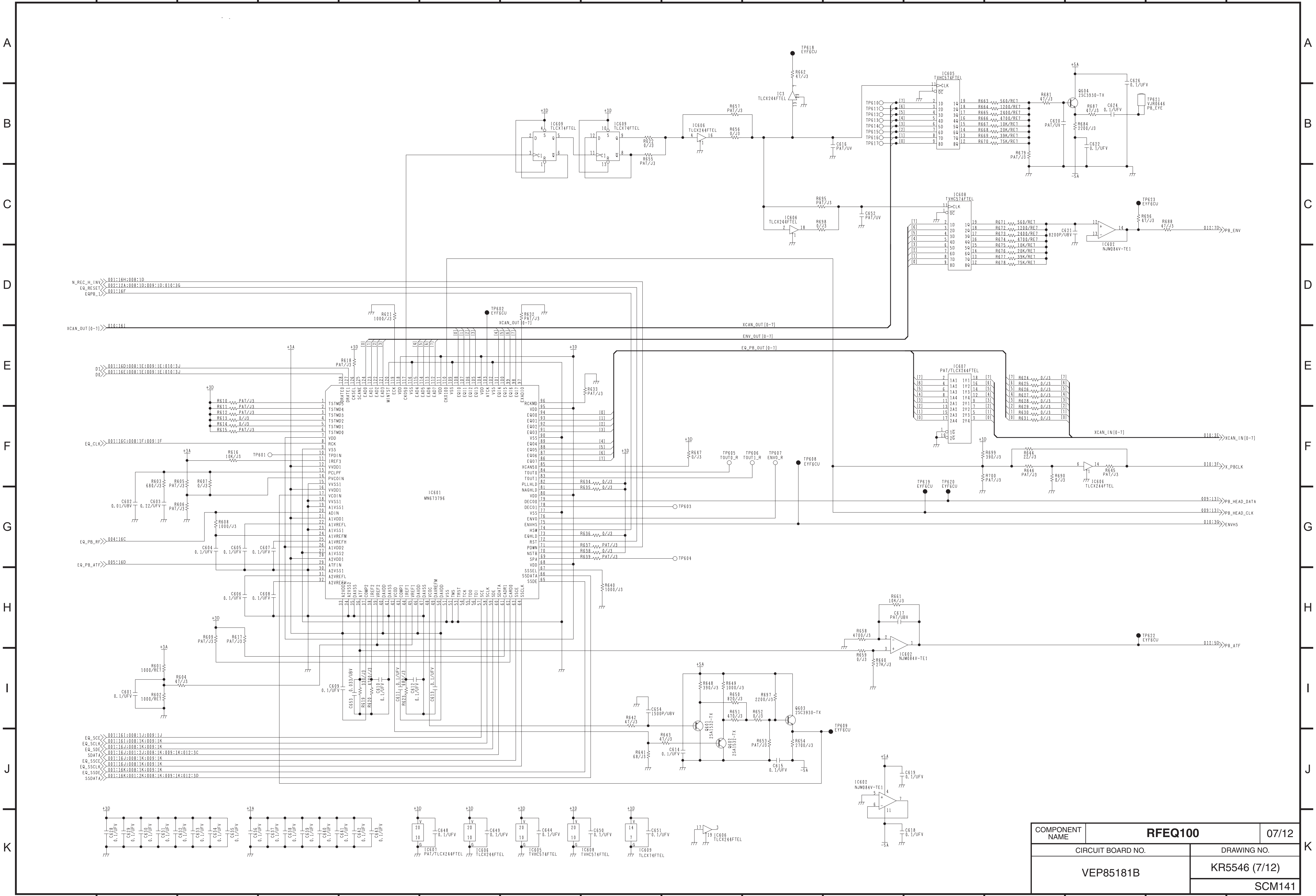
COMPONENT NAME	RFEQ100	04/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP85181B		KR5546 (4/12)
		SCM138


+5A
PB_ATF_FLT
004:16E
R454
100/J3
C434
1000P/UBV
R456
10K/J3
Q412
2SC3930-TX
R460
1000/J3
R462
47/J3
L402
5R6U/LA
C436
1500P/UBV
Q415
2SA1532-TX
C448
0.1/UFV
R468
4700/J3
C449
0.1/UFV
C450
0.1/UFV
R470
10K/J3
R477
680/J3
R478
220/J3
C525
0.1/UFV
R526
220/J3
R527
680/J3
C460
PAT/UV
C464
0.1/UFV
C465
0.1/UFV
IC401
UPC1663G-E1
R487
1000/J3
R488
1000/J3
C478
0.1/UFV
C479
2200P/UBV
R499
1000/J3
R500
1000/J3
TP404
EYF6CU
R504
47/J3
C496
0.1/UFV
007:1H
EQ_PB_ATF
C469
0.1/UFV
R485
1500/J3
C476
PAT/UBV
R491
0/J3
Q421
PAT/2SK508K512T2
R497
560/RE7
R506
0/J3
Q423
PAT/2SK508K512T2
C485
PAT/UBV
R513
1500/J3
C487
0.1/UFV
R492
PAT/J3
R505
PAT/J3
-5A
D0_FLT
004:16B;005:2H;006:1H
R530
10K/J3
Q525
2SD1979-TX
C443
PAT/UV
PB_SMAG
003:16G
+5A
RP_ATF_FLT
004:14L
R452
100/J3
C432
1000P/UBV
R455
10K/J3
Q411
2SC3930-TX
R457
1000/J3
R459
47/J3
L401
5R6U/LA
C435
1500P/UBV
Q414
2SA1532-TX
C440
0.1/UFV
R467
4700/J3
C441
0.1/UFV
C442
0.1/UFV
R469
10K/J3
R474
680/J3
R475
220/J3
C526
0.1/UFV
R528
220/J3
R529
680/J3
C458
PAT/UV
C462
0.1/UFV
C463
0.1/UFV
IC402
UPC1663G-E1
R484
1000/J3
R486
1000/J3
C474
0.1/UFV
C475
2200P/UBV
R496
1000/J3
R498
1000/J3
TP403
EYF6CU
R501
47/J3
R525
1000/J3
C494
0.1/UFV
008:1H
EQ_RP_ATF
R515
0/J3
C468
0.1/UFV
R483
1500/J3
C472
PAT/UBV
R489
0/J3
Q419
PAT/2SK508K512T2
R494
560/RE7
R503
0/J3
Q422
PAT/2SK508K512T2
C484
PAT/UBV
R510
1500/J3
C486
0.1/UFV
R490
PAT/J3
R502
PAT/J3
-5A
D0_FLT
004:16B;005:2D;006:1H
R531
10K/J3
Q526
2SD1979-TX
C438
PAT/UV
RP_SMAG
003:16E
ATF_REC_B
002:12C
R511
10K/J3
C488
PAT/UFV
Q425
2SD1979-TX

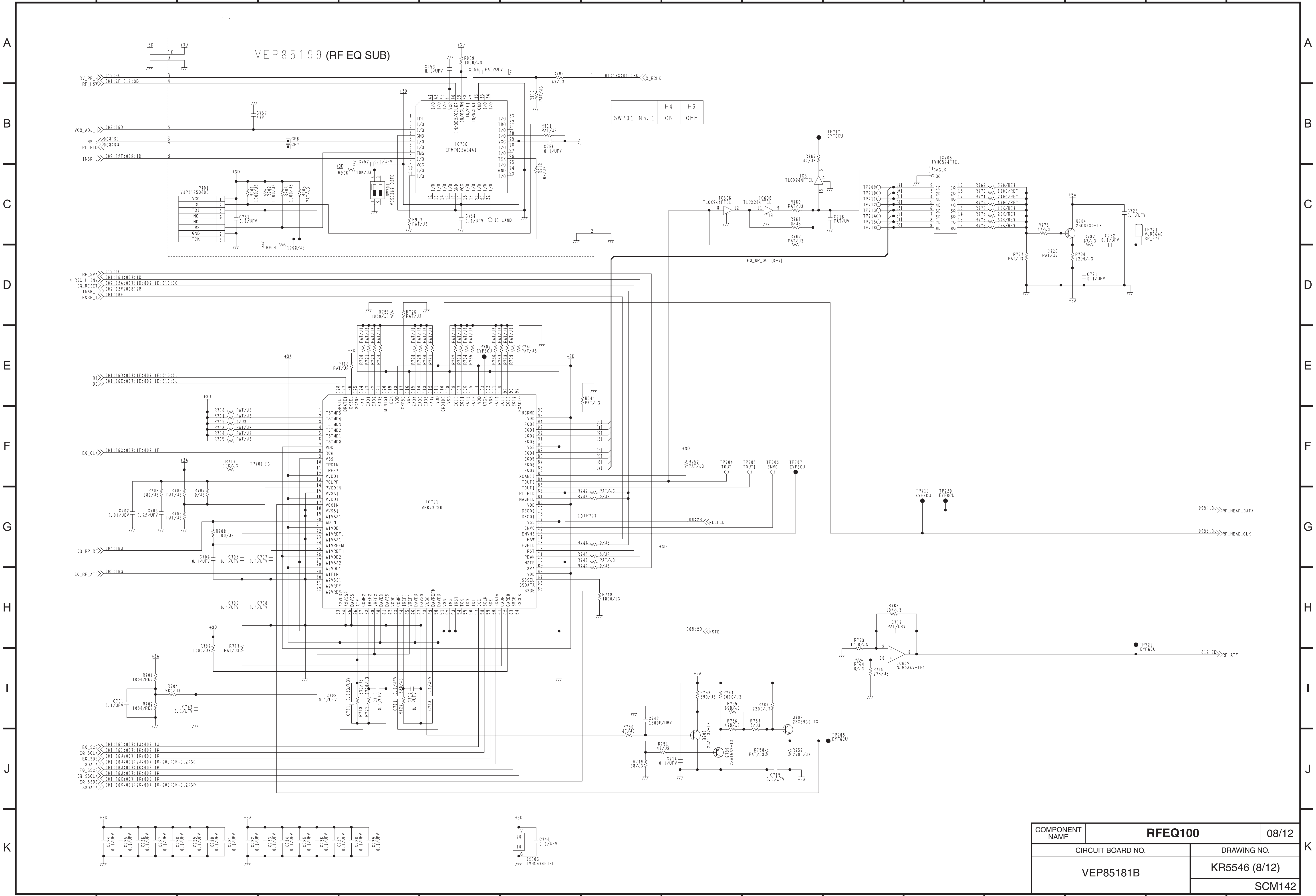
COMPONENT NAME	RFEQ100		05/12
CIRCUIT BOARD NO.		DRAWING NO.	
VEP85181B		KR5546 (5/12)	
		SCM139	


+5A
-5A
SLOW_PRE_P
012:1D
SLOW_PRE_N
012:3D
P550
VJP1230T
SLOW_PRE_1P
SLOW_PRE_1N
GND
1
2
3
C550
50V2R2/EHB
C551
50V2R2/EHB
R550
47/RE7
R551
68/J3
R552
47/RE7
R553
68/J3
C553
0.1/UFV
R556
56/RE7
R557
270/RE7
R560
270/RE7
Q551
XN6537-TX
Q550
2SC3930-TX
R558
150/RE7
Q552
2SC3930-TX
C552
0.1/UFV
R554
2200/RE7
R555
390/RE7
R559
390/RE7
R561
2200/RE7
C554
0.1/UFV
C557
0.1/UFV
TP550
VJR0646
R562
47/J3
R563
4700/J3
C556
0.1/UFV
R564
47/J3
Q553
XN5531-TX
R565
1000/J3
R566
47/J3
R567
1500/J3
C559
0.1/UFV
C560
0.1/UFV
R570
47/J3
R568
10K/J3
C562
0.1/UFV
Q554
2SC3930-TX
R572
820/J3
C563
0.1/UFV
C564
0.1/UFV
R574
68/J3
C565
22P/UV
C566
47P/UV
Q555
XN1504-TX
C567
PAT/UV
C568
10P/UV
L550
0.27U/LA
C569
56P/UV
R575
10K/J3
R576
10K/J3
C573
PAT/UV
C574
82P/UV
Q556
XN1504-TX
R577
10K/J3
C572
0.1/UFV
R578
10K/J3
C575
0.1/UFV
L551
1R2U/LA
C576
10P/UV
R579
220/J3
R580
47/J3
Q557
2SC3930-TX
C577
0.1/UFV
C579
0.1/UFV
009:1H
EQ_SLOW_RF
R581
1500/J3
C578
0.1/UFV
TP551
EYF6CU
R582
47/J3
R583
10K/J3
D1_FLT
004:16B
D0_FLT
004:16B;005:2D;005:2H

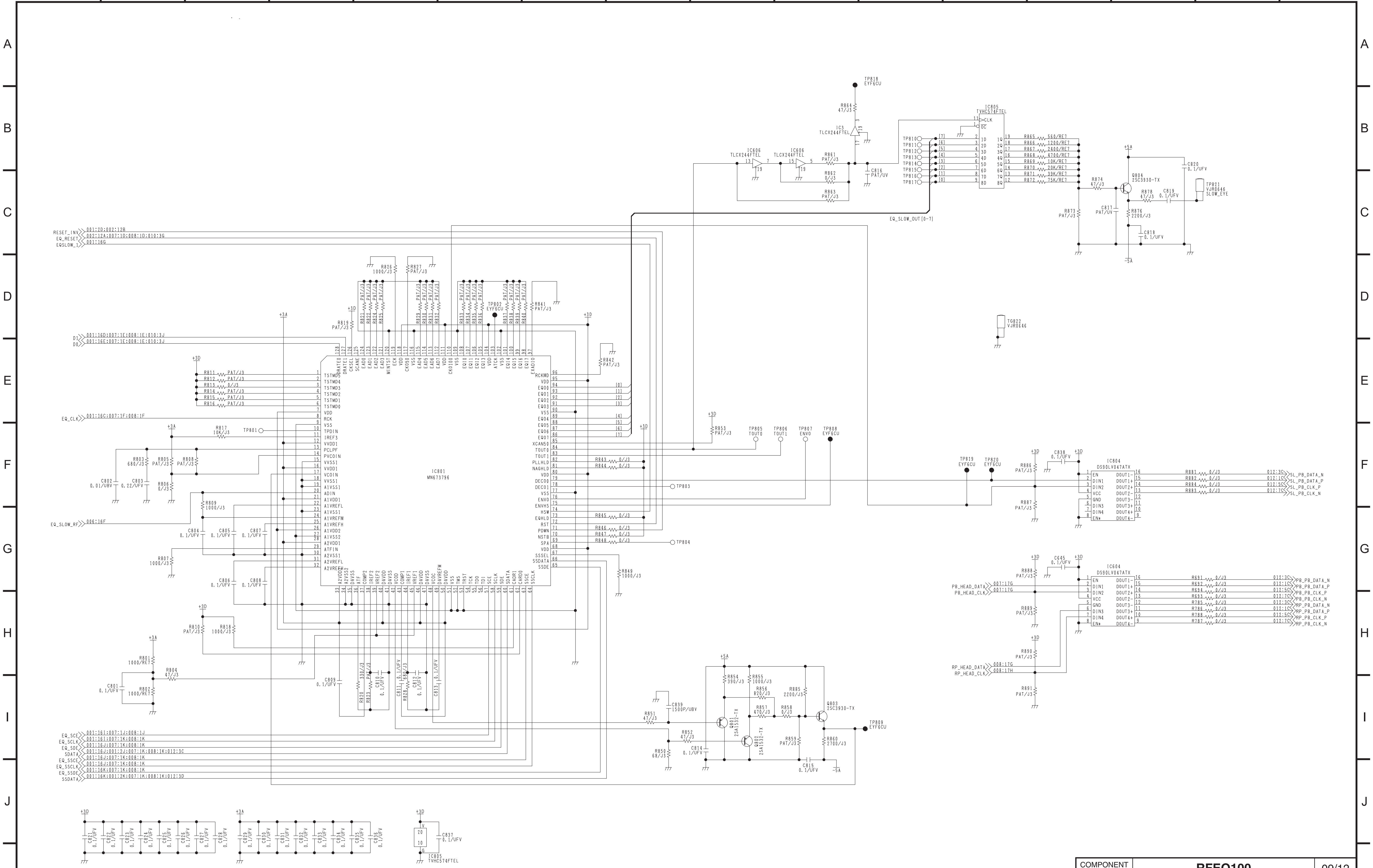
COMPONENT NAME	**RFEQ100**	06/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (6/12)	
	SCM140	


IC601
MN673796
IC605
TVHC574FTEL
IC608
TVHC574FTEL
IC607
PAT/TLCX244FTEL
IC602
NJM084V-TE1
IC606
TLCX244FTEL
IC609
TLCX74FTEL
IC3
TLCX244FTEL
Q604
2SC3930-TX
Q601
2SA1532-TX
Q602
2SA1532-TX
Q603
2SC3930-TX
N_REC_H_INV
EQ_RESET
EQPB_1
XCAN_OUT[0-7]
ENV_OUT[0-7]
EQ_PB_OUT[0-1]
XCAN_IN[0-7]
D1
D0
EQ_CLK
EQ_PB_RF
EQ_PB_ATF
EQ_SCE
EQ_SCLK
EQ_SDE
SDATA
EQ_SSCE
EQ_SSCLK
EQ_SSDE
SSDATA
PB_ENV
XCAN_IN[0-7]
X_PBCLK
PB_HEAD_DATA
PB_HEAD_CLK
ENVHS
PB_ATF
PB_EYE
TP601
TP602
TP603
TP604
TP605
TP606
TP607
TP608
TP609
TP610
TP611
TP612
TP613
TP614
TP615
TP616
TP617
TP618
TP619
TP620
TP622
TP623
+3D
+3A
+5A
-5A

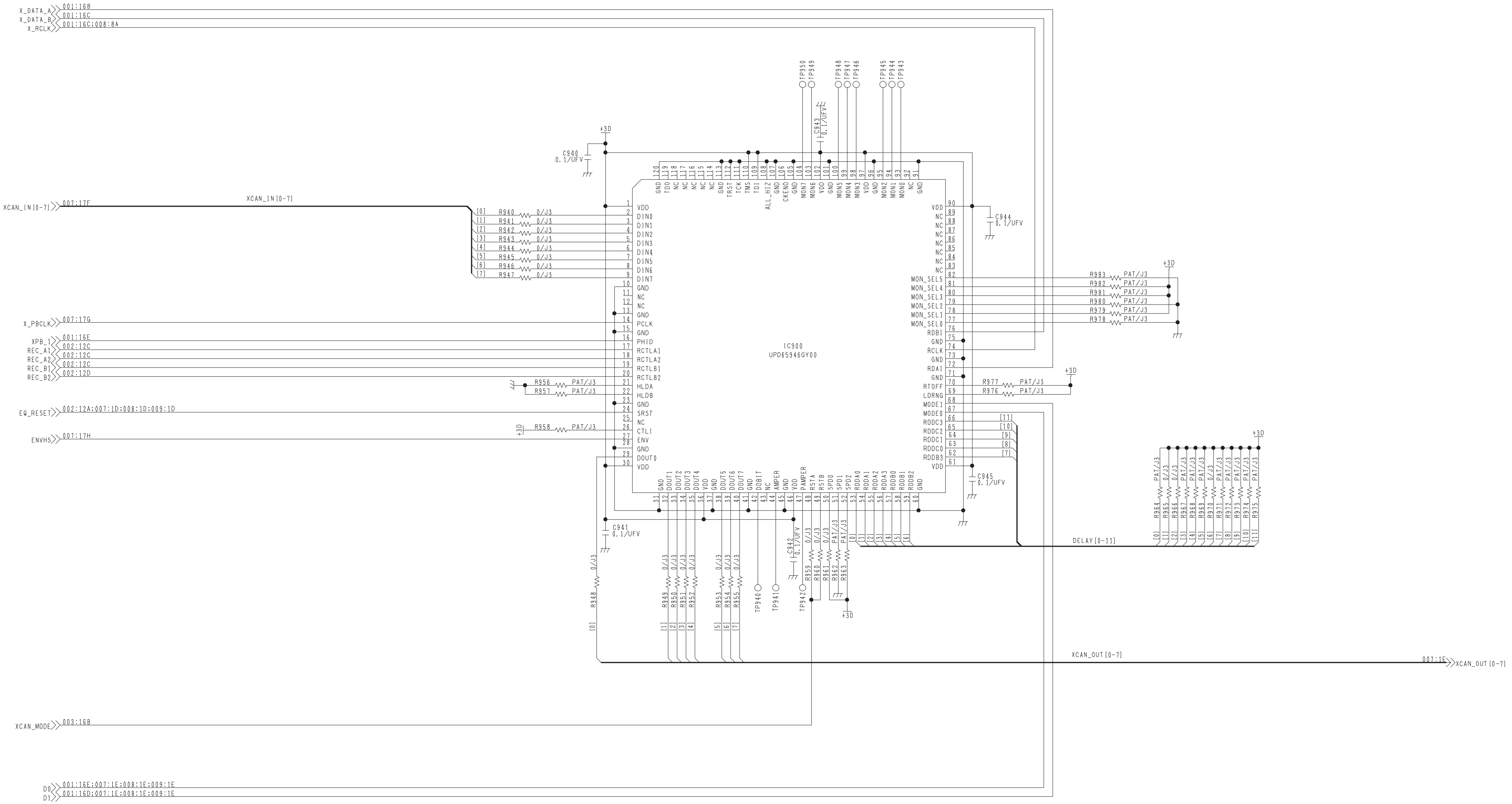
COMPONENT NAME	RFEQ100	07/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP85181B		KR5546 (7/12)
		SCM141


VEP85199 (RF EQ SUB)
IC706 EPM7032AE441
IC701 MN673796
IC705 TVHC574FTEL
IC606 TLCX244FTEL
IC3 TLCX244FTEL
IC602 NJM084V-TE1
IC105 TVHC574FTEL
Q704 2SC3930-TX
Q703 2SC3930-TX
Q701 2SA1532-TX
Q702 2SA1532-TX
P701 VJP3125008
SW701 VSS0367-02TB
SW701 No. 1
H4
H5
ON
OFF
DV_PB_H
RP_HSW
VCO_ADJ_H
NSTB
PLLHLD
INSR_L
X_RCLK
RP_SPA
N_REC_H_INV
EQ_RESET
EQRP_1
D1
D0
EQ_CLK
EQ_RP_RF
EQ_RP_ATF
EQ_SCE
EQ_SCLK
EQ_SDE
SDATA
EQ_SSCE
EQ_SSCLK
EQ_SSDE
SSDATA
EQ_RP_OUT[0-7]
RP_HEAD_DATA
RP_HEAD_CLK
RP_ATF
RP_EYE
TP717
TP721 VJR0646
TP722
TP719
TP720
TP708
+3D
+3A
+5A
-5A

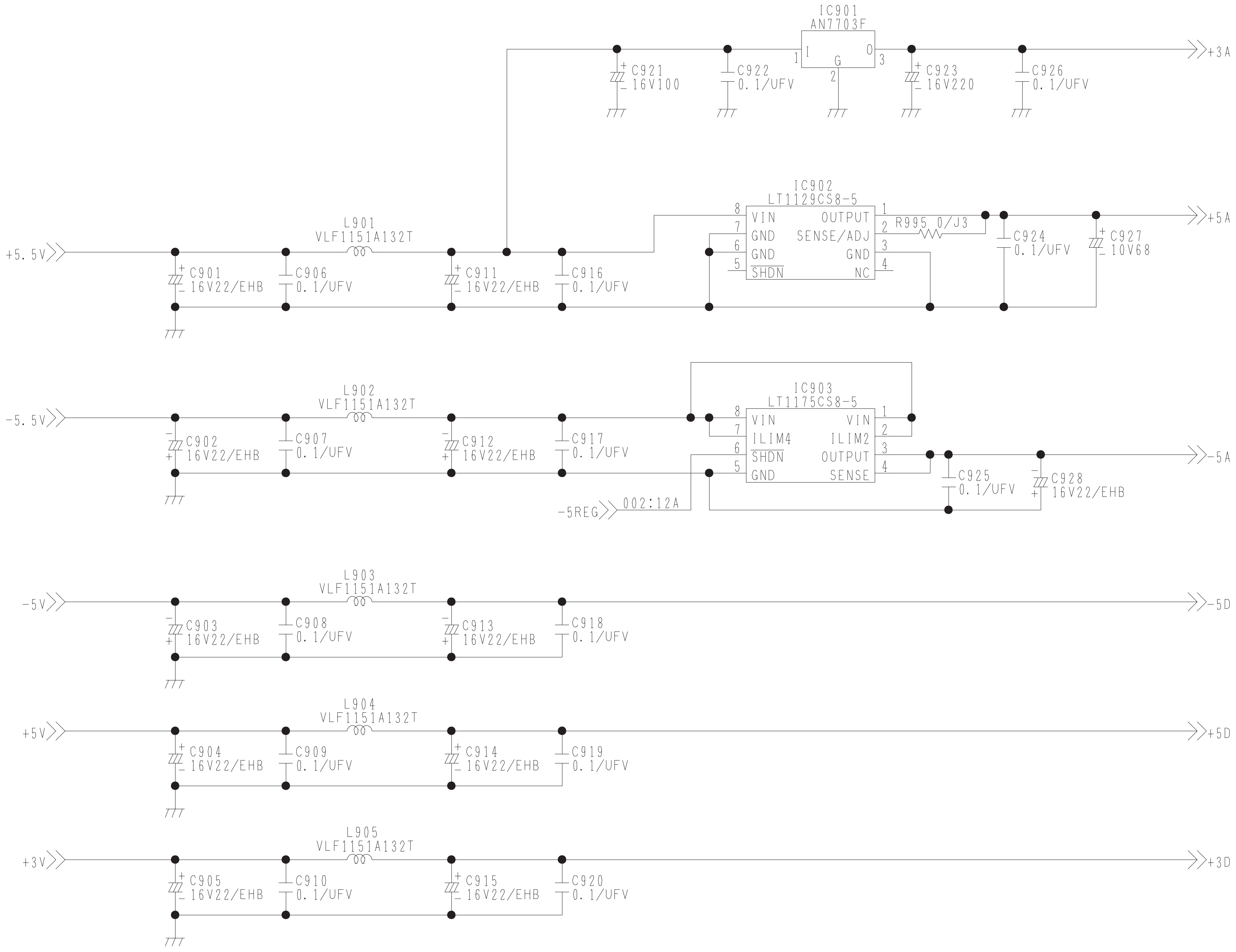
COMPONENT NAME	RFEQ100	08/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (8/12)	
	SCM142	


IC801
MN673796
IC805
TVHC574FTEL
IC3
TLCX244FTEL
IC606
TLCX244FTEL
IC804
DS90LV047ATX
IC604
DS90LV047ATX
Q801
Q802
2SA1532-TX
Q803
2SC3930-TX
Q804
2SC3930-TX
TP801
TP802
TP803
TP804
TP805
TOUT0
TP806
TOUT1
TP807
ENV0
TP808
TP809
TP818
TP819
TP820
TP821
VJR0646
SLOW_EYE
TG822
VJR0646
EYF6CU
RESET_INV
EQ_RESET
EQSLOW_1
D1
D0
EQ_CLK
EQ_SLOW_RF
EQ_SLOW_OUT[0-7]
EQ_SCE
EQ_SCLK
EQ_SDE
SDATA
EQ_SSCE
EQ_SSCLK
EQ_SSDE
SSDATA
SL_PB_DATA_N
SL_PB_DATA_P
SL_PB_CLK_P
SL_PB_CLK_N
PB_HEAD_DATA
PB_HEAD_CLK
RP_HEAD_DATA
RP_HEAD_CLK
PB_PB_DATA_N
PB_PB_DATA_P
PB_PB_CLK_P
PB_PB_CLK_N
RP_PB_DATA_N
RP_PB_DATA_P
RP_PB_CLK_P
RP_PB_CLK_N
+3D
+3A
+5A
-5A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

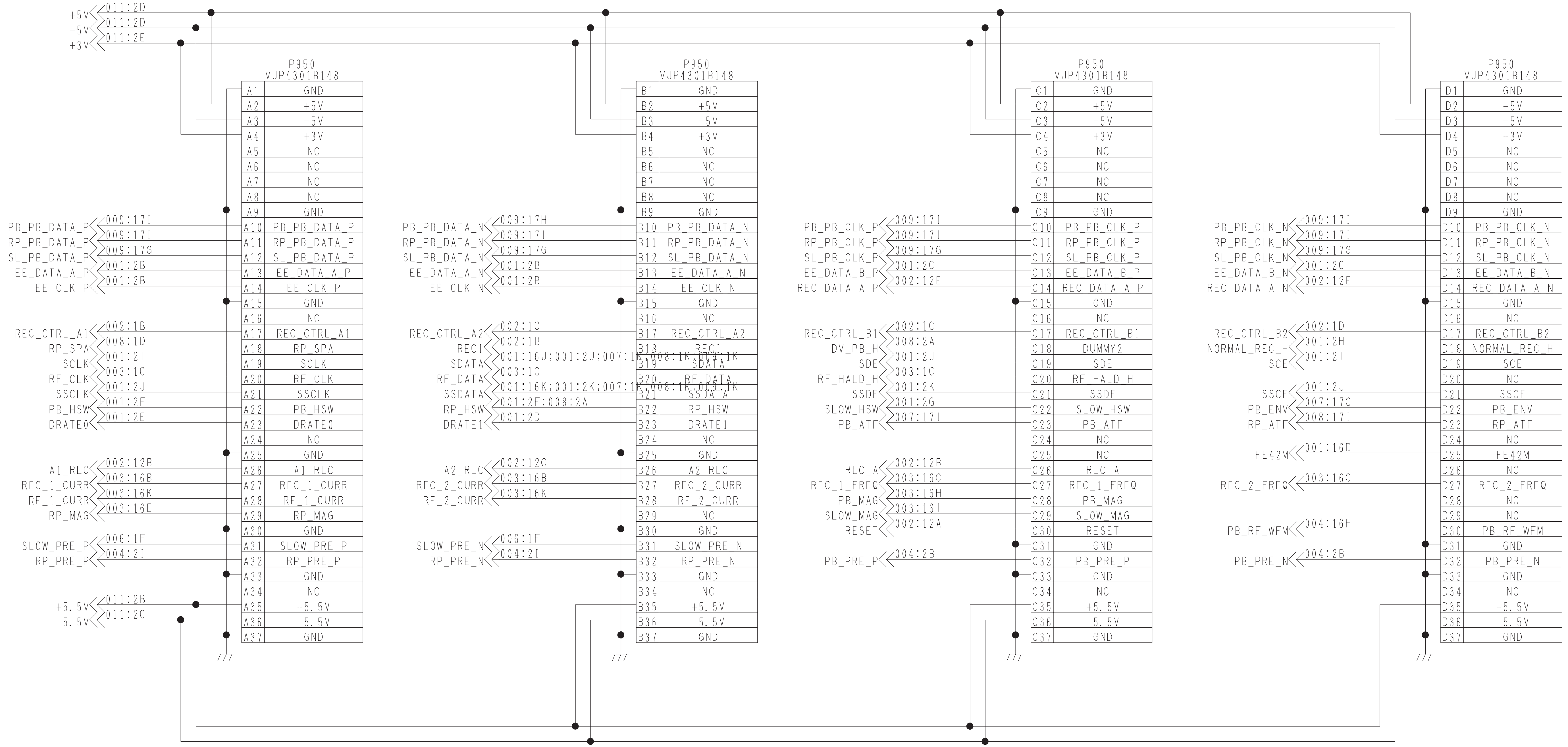
COMPONENT NAME	RFEQ100	09/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP85181B		KR5546 (9/12)
		SCM143


X_DATA_A 001:16B
X_DATA_B 001:16C
X_RCLK 001:16C;008:8A
XCAN_IN[0-7] 007:17F
XCAN_IN[0-7]
R940 0/J3
R941 0/J3
R942 0/J3
R943 0/J3
R944 0/J3
R945 0/J3
R946 0/J3
R947 0/J3
X_PBCLK 007:17G
XPB_1 001:16E
REC_A1 002:12C
REC_A2 002:12C
REC_B1 002:12C
REC_B2 002:12D
R956 PAT/J3
R957 PAT/J3
EQ_RESET 002:12A;007:1D;008:1D;009:1D
R958 PAT/J3
ENVHS 007:17H
+3D
C940 0.1/UFV
C941 0.1/UFV
C942 0.1/UFV
C943 0.1/UFV
C944 0.1/UFV
C945 0.1/UFV
IC900
UPD65946GY00
VDD DIN0 DIN1 DIN2 DIN3 DIN4 DIN5 DIN6 DIN7 GND NC NC GND PCLK GND PHID RCTLA1 RCTLA2 RCTLB1 RCTLB2 HLDA HLDB GND SRST NC CTLI ENV GND DOUT0 VDD
GND DOUT1 DOUT2 DOUT3 DOUT4 VDD GND DOUT5 DOUT6 DOUT7 GND DOBIT NC AMPER GND VDD PAMPER RSTA RSTB SPD0 SPD1 SPD2 RDDA0 RDDA1 RDDA2 RDDA3 RDDB0 RDDB1 RDDB2 GND
VDD RDDB3 RDDC0 RDDC1 RDDC2 RDDC3 MODE0 MODE1 LDRNG RTOFF GND RDAI GND RCLK GND RDBI MON_SEL0 MON_SEL1 MON_SEL2 MON_SEL3 MON_SEL4 MON_SEL5 NC NC NC NC NC NC NC VDD
GND NC MON0 MON1 MON2 GND VDD MON3 MON4 MON5 GND VDD MON6 MON7 GND CKEN0 GND ALL_HIZ TDI TMS TCK TRST GND NC NC NC NC NC TDO GND
TP950 TP949 TP948 TP947 TP946 TP945 TP944 TP943
TP940 TP941 TP942
R983 PAT/J3
R982 PAT/J3
R981 PAT/J3
R980 PAT/J3
R979 PAT/J3
R978 PAT/J3
R977 PAT/J3
R976 PAT/J3
R948 0/J3
R949 0/J3
R950 0/J3
R951 0/J3
R952 0/J3
R953 0/J3
R954 0/J3
R955 0/J3
R959 0/J3
R960 0/J3
R961 0/J3
R962 PAT/J3
R963 PAT/J3
R964 PAT/J3
R965 0/J3
R966 0/J3
R967 PAT/J3
R968 PAT/J3
R969 PAT/J3
R970 0/J3
R971 PAT/J3
R972 PAT/J3
R973 PAT/J3
R974 PAT/J3
R975 PAT/J3
DELAY[0-11]
XCAN_OUT[0-7]
007:1E XCAN_OUT[0-7]
XCAN_MODE 003:16B
D0 001:16E;007:1E;008:1E;009:1E
D1 001:16D;007:1E;008:1E;009:1E

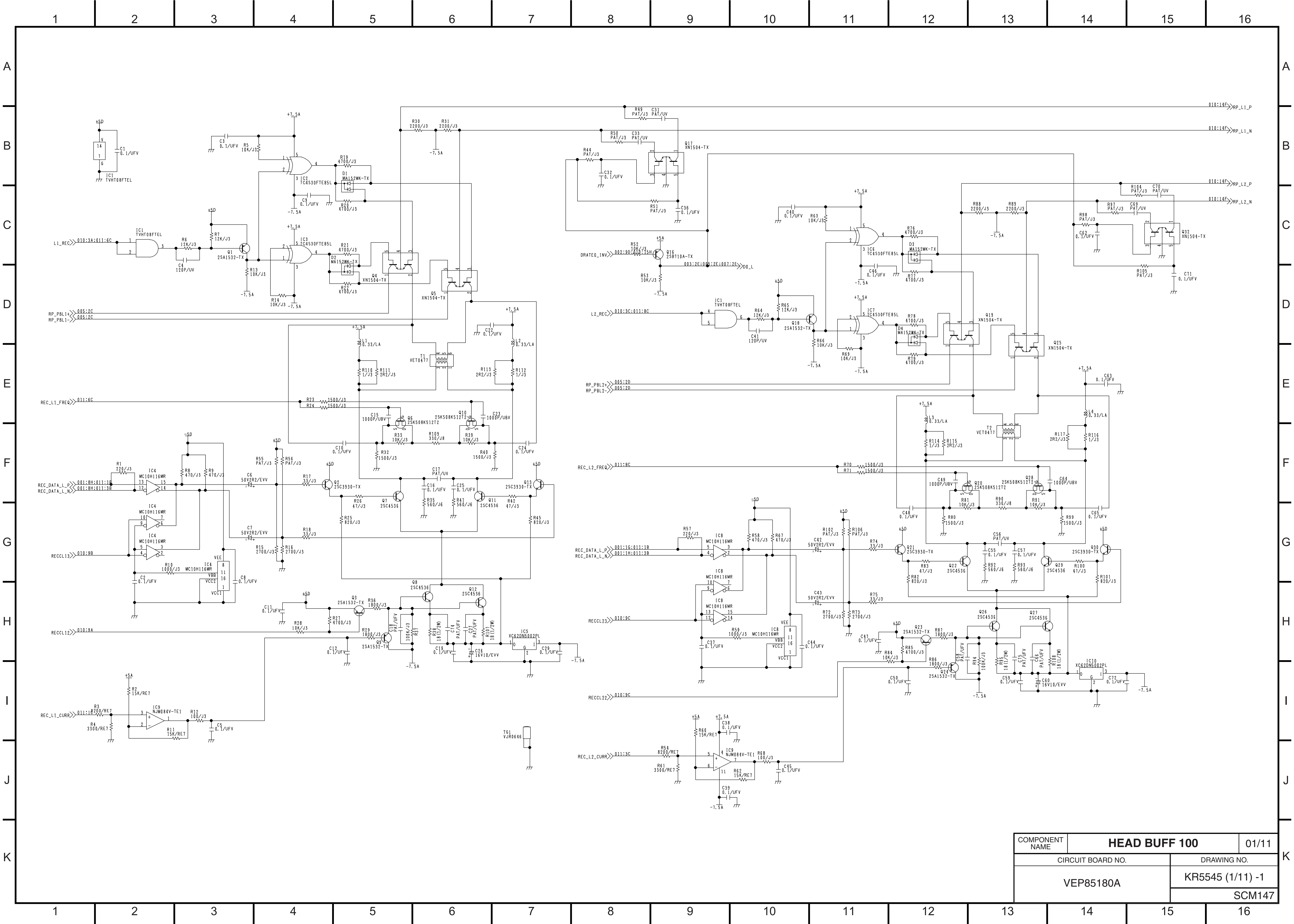
COMPONENT NAME	**RFEQ100**	10/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (10/12)	
	SCM144	


IC901
AN7703F
I
G
O
1
2
3
+3A
C921
16V100
C922
0.1/UFV
C923
16V220
C926
0.1/UFV
IC902
LT1129CS8-5
VIN
GND
GND
SHDN
OUTPUT
SENSE/ADJ
GND
NC
R995 0/J3
C924
0.1/UFV
C927
10V68
+5A
L901
VLF1151A132T
+5.5V
C901
16V22/EHB
C906
0.1/UFV
C911
16V22/EHB
C916
0.1/UFV
IC903
LT1175CS8-5
VIN
ILIM4
SHDN
GND
VIN
ILIM2
OUTPUT
SENSE
L902
VLF1151A132T
-5.5V
C902
16V22/EHB
C907
0.1/UFV
C912
16V22/EHB
C917
0.1/UFV
-5REG
002:12A
C925
0.1/UFV
C928
16V22/EHB
-5A
L903
VLF1151A132T
-5V
C903
16V22/EHB
C908
0.1/UFV
C913
16V22/EHB
C918
0.1/UFV
-5D
L904
VLF1151A132T
+5V
C904
16V22/EHB
C909
0.1/UFV
C914
16V22/EHB
C919
0.1/UFV
+5D
L905
VLF1151A132T
+3V
C905
16V22/EHB
C910
0.1/UFV
C915
16V22/EHB
C920
0.1/UFV
+3D

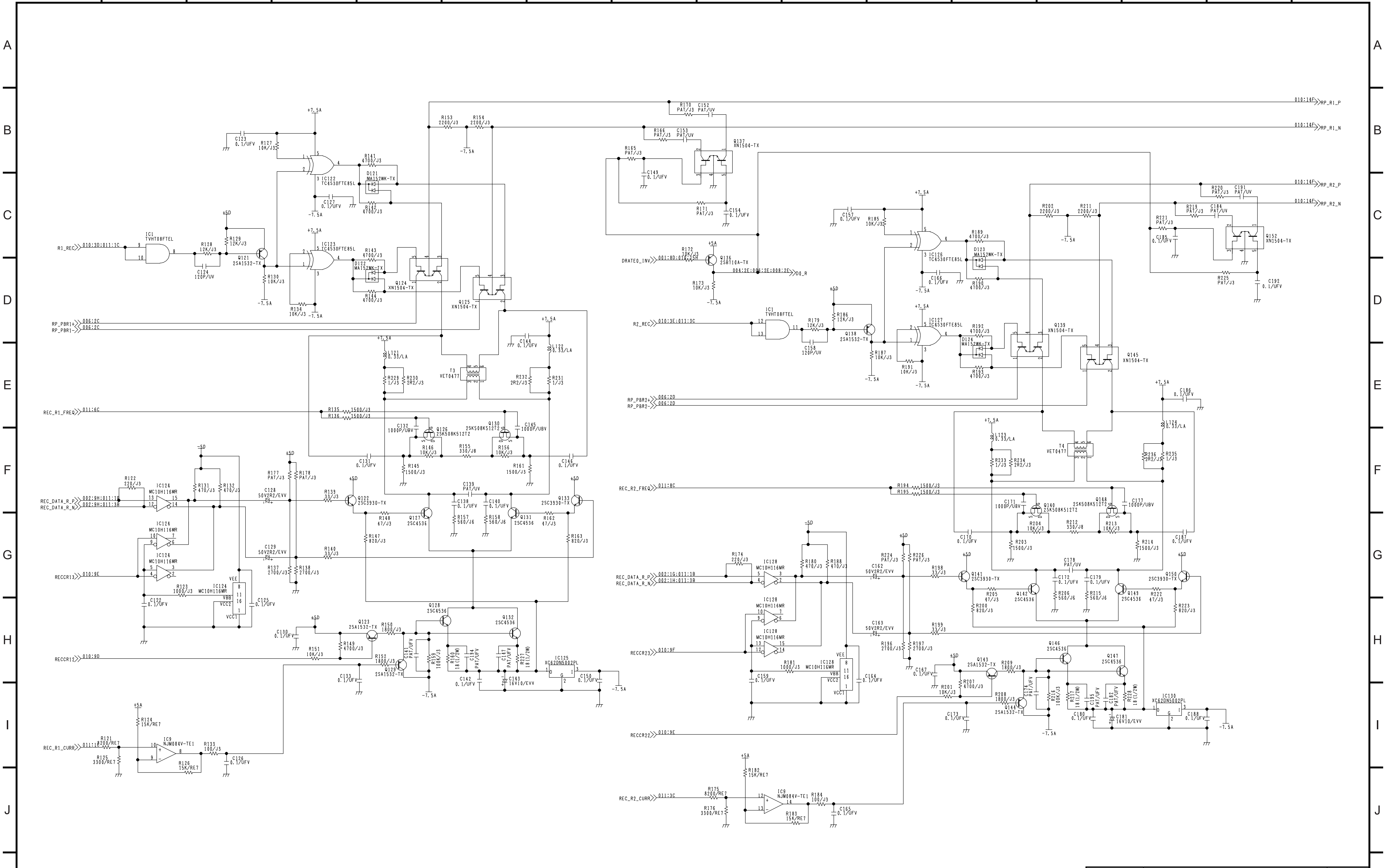
COMPONENT NAME	RFEQ100	11/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (11/12)	
	SCM145	


+5V 011:2D
-5V 011:2D
+3V 011:2E
P950
VJP4301B148
A1 GND
A2 +5V
A3 -5V
A4 +3V
A5 NC
A6 NC
A7 NC
A8 NC
A9 GND
PB_PB_DATA_P 009:17I A10 PB_PB_DATA_P
RP_PB_DATA_P 009:17I A11 RP_PB_DATA_P
SL_PB_DATA_P 009:17G A12 SL_PB_DATA_P
EE_DATA_A_P 001:2B A13 EE_DATA_A_P
EE_CLK_P 001:2B A14 EE_CLK_P
A15 GND
A16 NC
REC_CTRL_A1 002:1B A17 REC_CTRL_A1
RP_SPA 008:1D A18 RP_SPA
SCLK 001:2I A19 SCLK
RF_CLK 003:1C A20 RF_CLK
SSCLK 001:2J A21 SSCLK
PB_HSW 001:2F A22 PB_HSW
DRATE0 001:2E A23 DRATE0
A24 NC
A25 GND
A1_REC 002:12B A26 A1_REC
REC_1_CURR 003:16B A27 REC_1_CURR
RE_1_CURR 003:16K A28 RE_1_CURR
RP_MAG 003:16E A29 RP_MAG
A30 GND
SLOW_PRE_P 006:1F A31 SLOW_PRE_P
RP_PRE_P 004:2I A32 RP_PRE_P
A33 GND
A34 NC
+5.5V 011:2B A35 +5.5V
-5.5V 011:2C A36 -5.5V
A37 GND
P950
VJP4301B148
B1 GND
B2 +5V
B3 -5V
B4 +3V
B5 NC
B6 NC
B7 NC
B8 NC
B9 GND
PB_PB_DATA_N 009:17H B10 PB_PB_DATA_N
RP_PB_DATA_N 009:17I B11 RP_PB_DATA_N
SL_PB_DATA_N 009:17G B12 SL_PB_DATA_N
EE_DATA_A_N 001:2B B13 EE_DATA_A_N
EE_CLK_N 001:2B B14 EE_CLK_N
B15 GND
B16 NC
REC_CTRL_A2 002:1C B17 REC_CTRL_A2
RECI 002:1B B18 RECI
SDATA 001:16J;001:2J;007:1K;008:1K;009:1K B19 SDATA
RF_DATA 003:1C B20 RF_DATA
SSDATA 001:16K;001:2K;007:1K;008:1K;009:1K B21 SSDATA
RP_HSW 001:2F;008:2A B22 RP_HSW
DRATE1 001:2D B23 DRATE1
B24 NC
B25 GND
A2_REC 002:12C B26 A2_REC
REC_2_CURR 003:16B B27 REC_2_CURR
RE_2_CURR 003:16K B28 RE_2_CURR
B29 NC
B30 GND
SLOW_PRE_N 006:1F B31 SLOW_PRE_N
RP_PRE_N 004:2I B32 RP_PRE_N
B33 GND
B34 NC
B35 +5.5V
B36 -5.5V
B37 GND
P950
VJP4301B148
C1 GND
C2 +5V
C3 -5V
C4 +3V
C5 NC
C6 NC
C7 NC
C8 NC
C9 GND
PB_PB_CLK_P 009:17I C10 PB_PB_CLK_P
RP_PB_CLK_P 009:17I C11 RP_PB_CLK_P
SL_PB_CLK_P 009:17G C12 SL_PB_CLK_P
EE_DATA_B_P 001:2C C13 EE_DATA_B_P
REC_DATA_A_P 002:12E C14 REC_DATA_A_P
C15 GND
C16 NC
REC_CTRL_B1 002:1C C17 REC_CTRL_B1
DV_PB_H 008:2A C18 DUMMY2
SDE 001:2J C19 SDE
RF_HALD_H 003:1C C20 RF_HALD_H
SSDE 001:2K C21 SSDE
SLOW_HSW 001:2G C22 SLOW_HSW
PB_ATF 007:17I C23 PB_ATF
C24 NC
C25 NC
REC_A 002:12B C26 REC_A
REC_1_FREQ 003:16C C27 REC_1_FREQ
PB_MAG 003:16H C28 PB_MAG
SLOW_MAG 003:16I C29 SLOW_MAG
RESET 002:12A C30 RESET
C31 GND
PB_PRE_P 004:2B C32 PB_PRE_P
C33 GND
C34 NC
C35 +5.5V
C36 -5.5V
C37 GND
P950
VJP4301B148
D1 GND
D2 +5V
D3 -5V
D4 +3V
D5 NC
D6 NC
D7 NC
D8 NC
D9 GND
PB_PB_CLK_N 009:17I D10 PB_PB_CLK_N
RP_PB_CLK_N 009:17I D11 RP_PB_CLK_N
SL_PB_CLK_N 009:17G D12 SL_PB_CLK_N
EE_DATA_B_N 001:2C D13 EE_DATA_B_N
REC_DATA_A_N 002:12E D14 REC_DATA_A_N
D15 GND
D16 NC
REC_CTRL_B2 002:1D D17 REC_CTRL_B2
NORMAL_REC_H 001:2H D18 NORMAL_REC_H
SCE 001:2I D19 SCE
D20 NC
SSCE 001:2J D21 SSCE
PB_ENV 007:17C D22 PB_ENV
RP_ATF 008:17I D23 RP_ATF
D24 NC
FE42M 001:16D D25 FE42M
D26 NC
REC_2_FREQ 003:16C D27 REC_2_FREQ
D28 NC
D29 NC
PB_RF_WFM 004:16H D30 PB_RF_WFM
D31 GND
PB_PRE_N 004:2B D32 PB_PRE_N
D33 GND
D34 NC
D35 +5.5V
D36 -5.5V
D37 GND

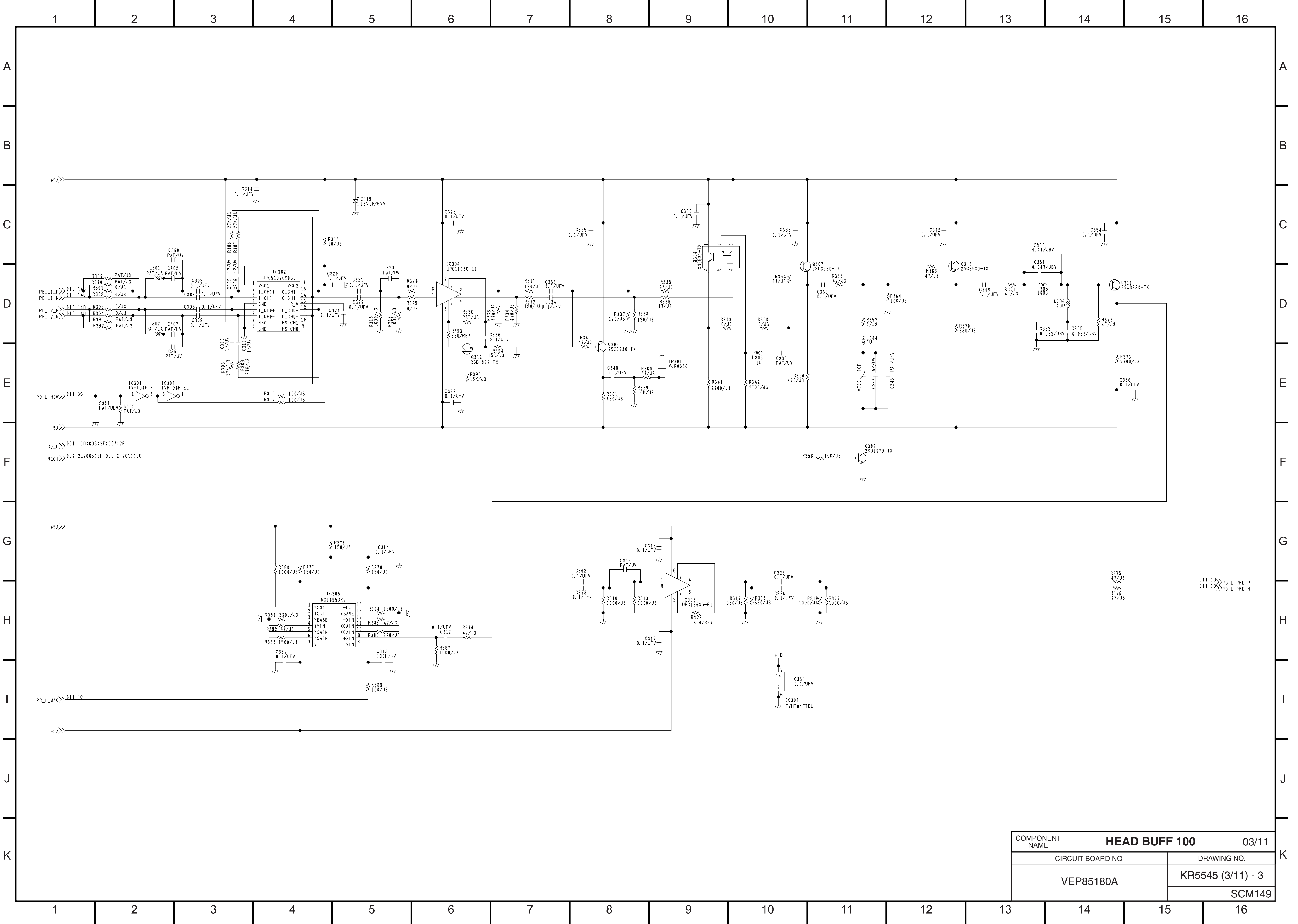
COMPONENT NAME	RFEQ100	12/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85181B	KR5546 (12/12)	
	SCM146	


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
L1_REC
010:3A:011:6C
IC1 TVHT08FTEL
IC2 TC4S30FTE85L
IC3 TC4S30FTE85L
Q1 2SA1532-TX
D1 MA152WK-TX
D2 MA152WK-TX
Q4 XN1504-TX
Q5 XN1504-TX
RP_PBL1+
RP_PBL1-
005:2C
T1 VET0477
REC_L1_FREQ
011:6C
Q6 2SK508K512T2
Q10 2SK508K512T2
REC_DATA_L_P
REC_DATA_L_N
001:8H:011:1B
001:8H:011:3B
IC4 MC10H116MR
Q2 2SC3930-TX
Q7 2SC4536
Q11 2SC4536
Q13 2SC3930-TX
RECCL13
010:9B
RECCL12
010:9A
Q3 2SA1532-TX
Q8 2SC4536
Q9 2SA1532-TX
Q12 2SC4536
IC5 XC62DN5002PL
REC_L1_CURR
IC9 NJM084V-TE1
TG1 VJR0646
010:14F
RP_L1_P
RP_L1_N
RP_L2_P
RP_L2_N
Q17 XN1504-TX
DRATEO_INV
002:9D
Q16 2SB1110A-TX
003:2E:005:2E:007:2E
DO_L
L2_REC
010:3C:011:8C
IC6 TC4530FTE85L
IC7 TC4530FTE85L
D3 MA152WK-TX
D4 MA152WK-TX
Q18 2SA1532-TX
Q19 XN1504-TX
Q25 XN1504-TX
Q32 XN1504-TX
RP_PBL2+
RP_PBL2-
005:2D
T2 VET0477
REC_L2_FREQ
011:8C
Q20 2SK508K512T2
Q28 2SK508K512T2
001:1G:011:1B
001:1H:011:3B
IC8 MC10H116MR
Q21 2SC3930-TX
Q22 2SC4536
Q29 2SC4536
Q30 2SC3930-TX
RECCL23
010:9C
RECCL22
Q23 2SA1532-TX
Q24 2SA1532-TX
Q26 2SC4536
Q27 2SC4536
IC10 XC62DN5002PL
REC_L2_CURR
011:3C
+7.5A
-7.5A
+5D
-5D
+5A

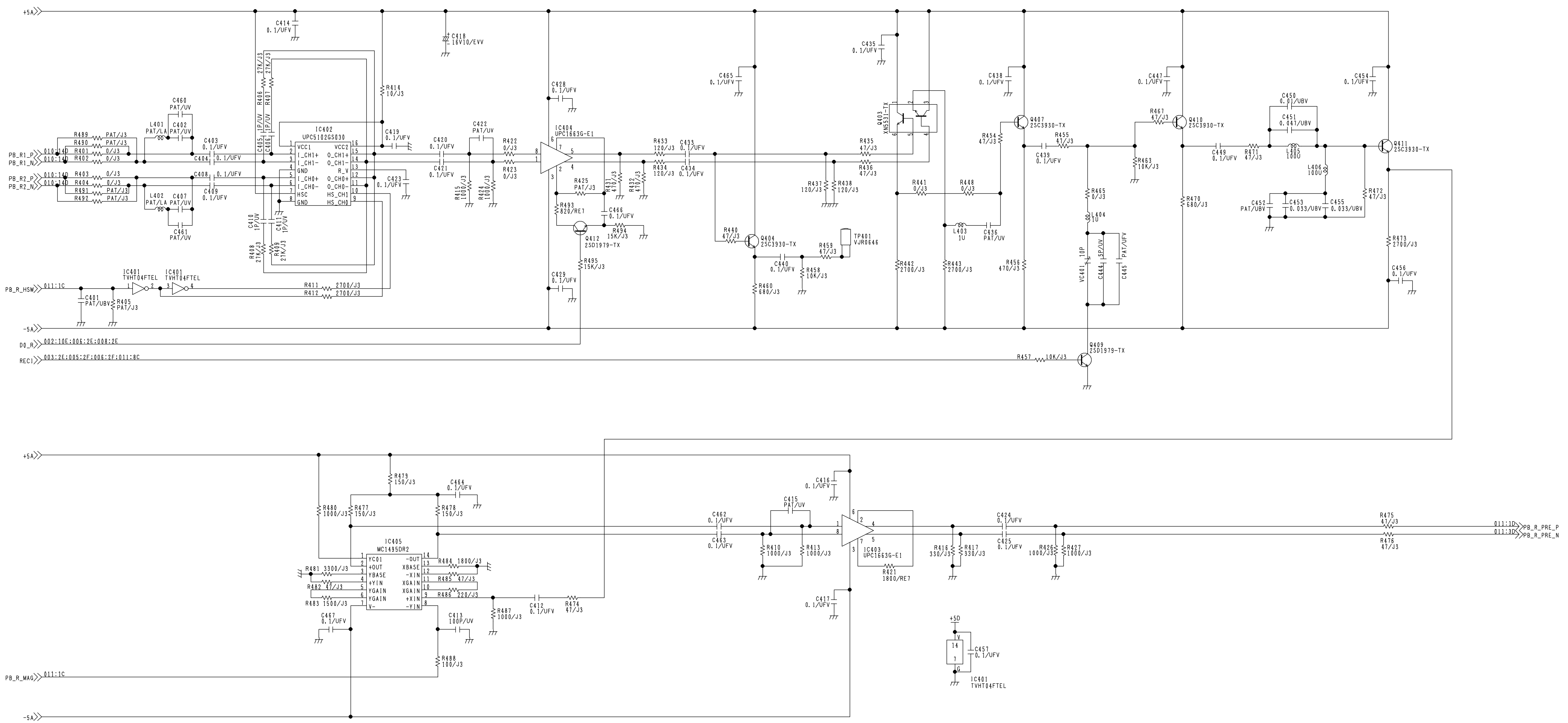
COMPONENT NAME	HEAD BUFF 100	01/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85180A		KR5545 (1/11) -1
		SCM147


R1_REC
RP_PBR1+
RP_PBR1-
REC_R1_FREQ
REC_DATA_R_P
REC_DATA_R_N
RECCR13
RECCR12
REC_R1_CURR
RP_R1_P
RP_R1_N
RP_R2_P
RP_R2_N
DRATE0_INV
D0_R
R2_REC
RP_PBR2+
RP_PBR2-
REC_R2_FREQ
RECCR23
RECCR22
REC_R2_CURR
IC122 TC4S30FTE85L
IC123 TC4S30FTE85L
IC126 TC4S30FTE85L
IC127 TC4S30FTE85L
IC1 TVHT08FTEL
IC124 MC10H116MR
IC128 MC10H116MR
IC125 XC62DN5002PL
IC130 XC62DN5002PL
IC9 NJM084V-TE1
Q124 XN1504-TX
Q125 XN1504-TX
Q137 XN1504-TX
Q139 XN1504-TX
Q145 XN1504-TX
Q152 XN1504-TX
Q121 2SA1532-TX
Q138 2SA1532-TX
Q136 2SB710A-TX
Q126 2SK508K5I2T2
Q130 2SK508K5I2T2
Q140 2SK508K5I2T2
Q148 2SK508K5I2T2
Q122 2SC3930-TX
Q133 2SC3930-TX
Q141 2SC3930-TX
Q150 2SC3930-TX
Q127 2SC4536
Q131 2SC4536
Q128 2SC4536
Q132 2SC4536
Q142 2SC4536
Q149 2SC4536
Q146 2SC4536
Q147 2SC4536
Q123 2SA1532-TX
Q129 2SA1532-TX
Q143 2SA1532-TX
Q144 2SA1532-TX
T3 VET0477
T4 VET0477
D121 MA152WK-TX
D122 MA152WK-TX
D123 MA152WK-TX
D124 MA152WK-TX
+7.5A
-7.5A
+5D
-5D
+5A

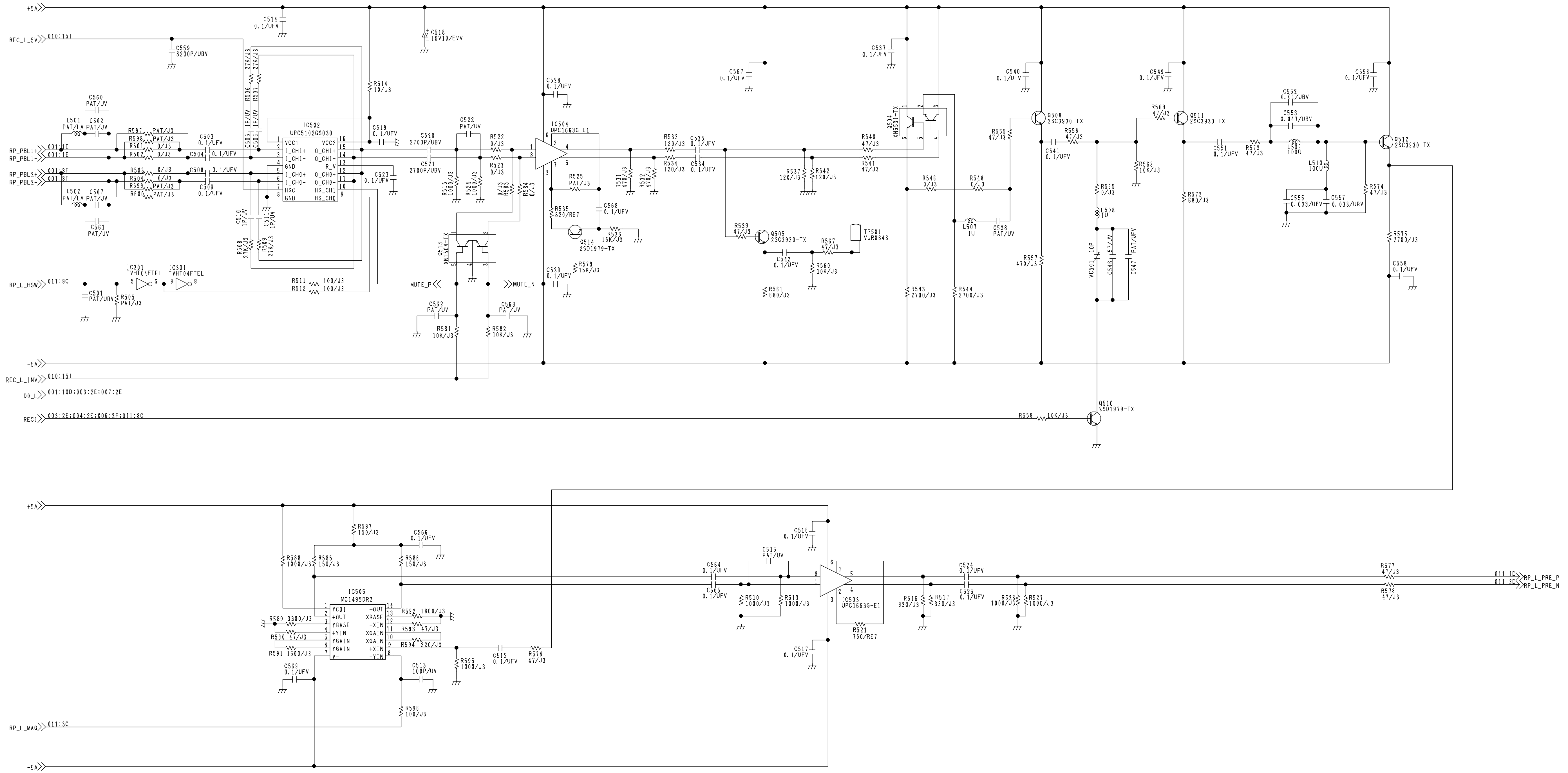
COMPONENT NAME	HEAD BUFF 100	02/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85180A		KR5545 (2/11) - 2
		SCM148


+5A
-5A
PB_L1_P
PB_L1_N
PB_L2_P
PB_L2_N
PB_L_HSW
D0_L
RECI
PB_L_MAG
PB_L_PRE_P
PB_L_PRE_N
IC302 UPC5102GS030
IC304 UPC1663G-E1
IC303 UPC1663G-E1
IC305 MC1495DR2
IC301 TVHT04FTEL
Q303 2SC3930-TX
Q304 XN5531-TX
Q307 2SC3930-TX
Q308 2SD1979-TX
Q310 2SC3930-TX
Q311 2SC3930-TX
Q312 2SD1979-TX
TP301 VJR0646
VC301 10P
+5D

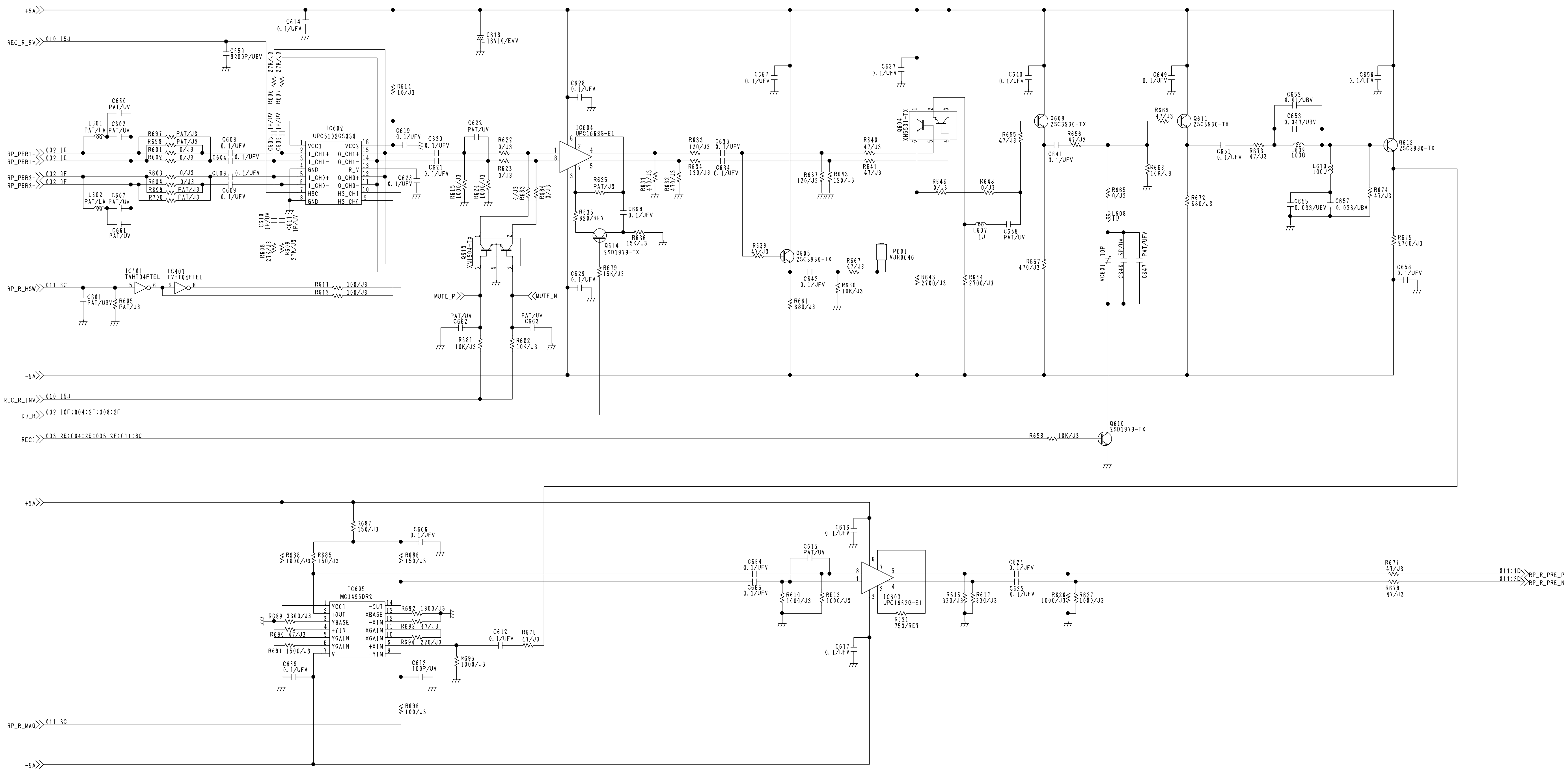
COMPONENT NAME	HEAD BUFF 100	03/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85180A		KR5545 (3/11) - 3
		SCM149


+5A
-5A
PB_R1_P
PB_R1_N
PB_R2_P
PB_R2_N
PB_R_HSW
DO_R
RECI
PB_R_MAG
PB_R_PRE_P
PB_R_PRE_N
IC402
UPC5102GS030
IC404
UPC1663G-E1
IC401
TVHT04FTEL
IC403
UPC1663G-E1
IC405
MC1495DR2
Q403
XN5531-TX
Q404
2SC3930-TX
Q407
2SC3930-TX
Q410
2SC3930-TX
Q411
2SC3930-TX
Q409
2SD1979-TX
Q412
2SD1979-TX
TP401
VJR0646
VC401 10P
L401
PAT/LA
L402
PAT/LA
L403
1U
L404
1U
L405
100U
L406
100U
+5D

COMPONENT NAME	HEAD BUFF 100	04/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85180A		KR5545 (4/11) - 4
		SCM150


+5A
REC_L_5V 010:15I
RP_PBL1+ 001:1E
RP_PBL1- 001:1E
RP_PBL2+ 001:8F
RP_PBL2- 001:8F
RP_L_HSW 011:8C
-5A
REC_L_INV 010:15I
DO_L 001:10D;003:2E;007:2E
RECI 003:2E;004:2E;006:2F;011:8C
RP_L_MAG 011:3C
RP_L_PRE_P 011:1D
RP_L_PRE_N 011:3D
MUTE_P
MUTE_N
C514 0.1/UFV
C518 16V10/EVV
C559 8200P/UBV
C560 PAT/UV
L501 PAT/LA
C502 PAT/UV
L502 PAT/LA
C507 PAT/UV
C561 PAT/UV
R597 PAT/J3
R598 PAT/J3
R501 0/J3
R502 0/J3
R503 0/J3
R504 0/J3
R599 PAT/J3
R600 PAT/J3
C503 0.1/UFV
C504 0.1/UFV
C508 0.1/UFV
C509 0.1/UFV
R506 27K/J3
R507 27K/J3
C505 1P/UV
C506 1P/UV
C510 1P/UV
C511 1P/UV
R508 27K/J3
R509 27K/J3
IC502 UPC5102GS030
VCC1 I_CH1+ I_CH1- GND I_CH0+ I_CH0- HSC GND
VCC2 O_CH1+ O_CH1- R_V O_CH0+ O_CH0- HS_CH1 HS_CH0
R514 10/J3
C519 0.1/UFV
C523 0.1/UFV
IC301 TVHT04FTEL
IC301 TVHT04FTEL
C501 PAT/UBV
R505 PAT/J3
R511 100/J3
R512 100/J3
C520 2700P/UBV
C521 2700P/UBV
C522 PAT/UV
R522 0/J3
R523 0/J3
R515 1000/J3
R524 1000/J3
R583 0/J3
R584 0/J3
Q513 XN1504-TX
C562 PAT/UV
C563 PAT/UV
R581 10K/J3
R582 10K/J3
C528 0.1/UFV
IC504 UPC1663G-E1
R525 PAT/J3
R535 820/RE7
C568 0.1/UFV
Q514 2SD1979-TX
R536 15K/J3
R579 15K/J3
C529 0.1/UFV
R531 470/J3
R532 470/J3
R533 120/J3
R534 120/J3
C533 0.1/UFV
C534 0.1/UFV
C567 0.1/UFV
R537 120/J3
R542 120/J3
R539 47/J3
Q505 2SC3930-TX
C542 0.1/UFV
R567 47/J3
TP501 VJR0646
R560 10K/J3
R561 680/J3
C537 0.1/UFV
Q504 XN5531-TX
R540 47/J3
R541 47/J3
R546 0/J3
R548 0/J3
L507 1U
C538 PAT/UV
R543 2700/J3
R544 2700/J3
C540 0.1/UFV
Q508 2SC3930-TX
R555 47/J3
C541 0.1/UFV
R556 47/J3
R557 470/J3
R565 0/J3
L508 1U
VC501 10P
C546 5P/UV
C547 PAT/UFV
Q510 2SD1979-TX
R558 10K/J3
C549 0.1/UFV
R569 47/J3
Q511 2SC3930-TX
R563 10K/J3
R572 680/J3
C551 0.1/UFV
R573 47/J3
C552 0.01/UBV
C553 0.047/UBV
L509 100U
L510 100U
C555 0.033/UBV
C557 0.033/UBV
R574 47/J3
C556 0.1/UFV
Q512 2SC3930-TX
R575 2700/J3
C558 0.1/UFV
R587 150/J3
C566 0.1/UFV
R588 1000/J3
R585 150/J3
R586 150/J3
IC505 MC1495DR2
YC01 +OUT YBASE +YIN YGAIN YGAIN V-
-OUT XBASE -XIN XGAIN XGAIN +XIN -YIN
R589 3300/J3
R590 47/J3
R591 1500/J3
R592 1800/J3
R593 47/J3
R594 220/J3
R595 1000/J3
C512 0.1/UFV
R576 47/J3
C569 0.1/UFV
C513 100P/UV
R596 100/J3
C564 0.1/UFV
C565 0.1/UFV
C515 PAT/UV
R510 1000/J3
R513 1000/J3
C516 0.1/UFV
C517 0.1/UFV
IC503 UPC1663G-E1
R521 750/RE7
R516 330/J3
R517 330/J3
C524 0.1/UFV
C525 0.1/UFV
R526 1000/J3
R527 1000/J3
R577 47/J3
R578 47/J3

COMPONENT NAME
HEAD BUFF 100
05/11
CIRCUIT BOARD NO.
VEP85180A
DRAWING NO.
KR5545 (5/11) - 5
SCM151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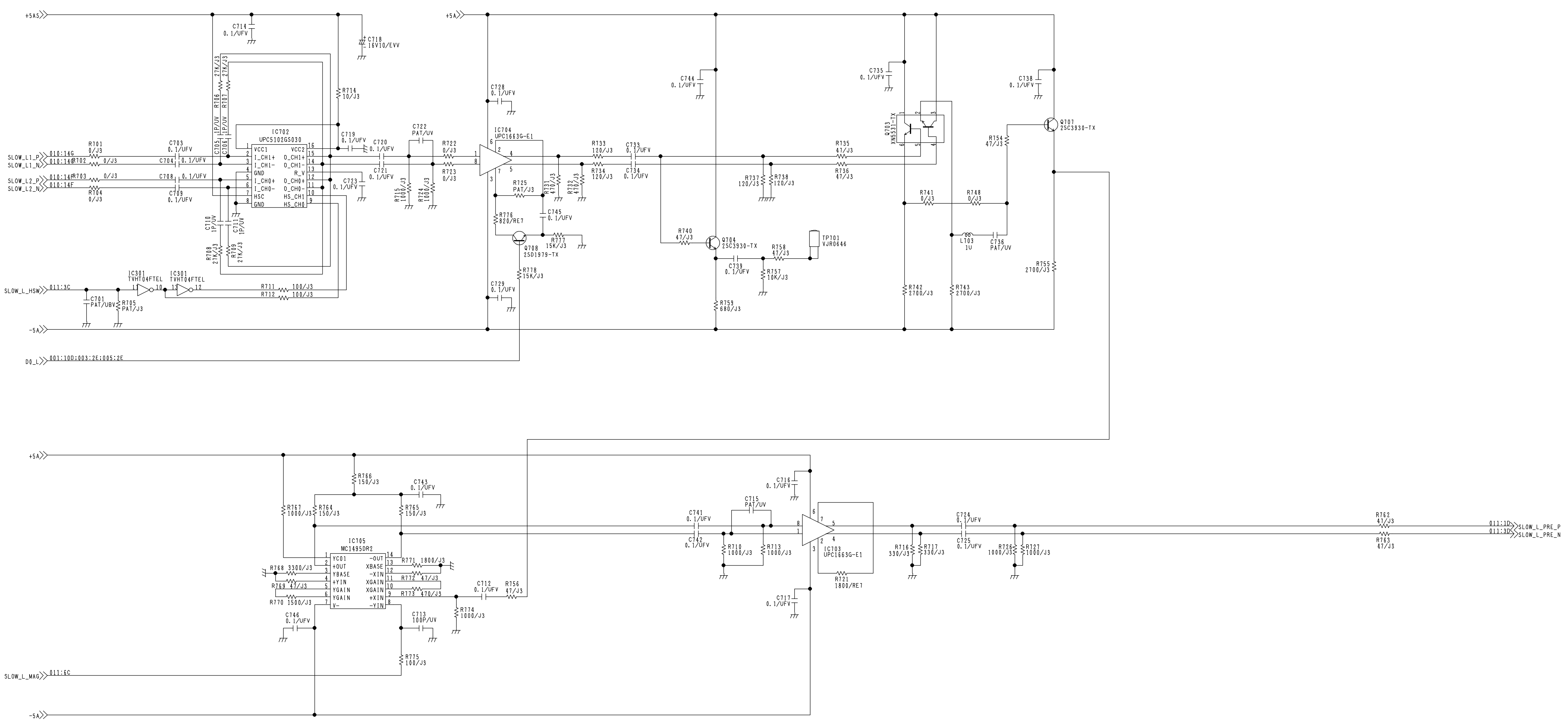
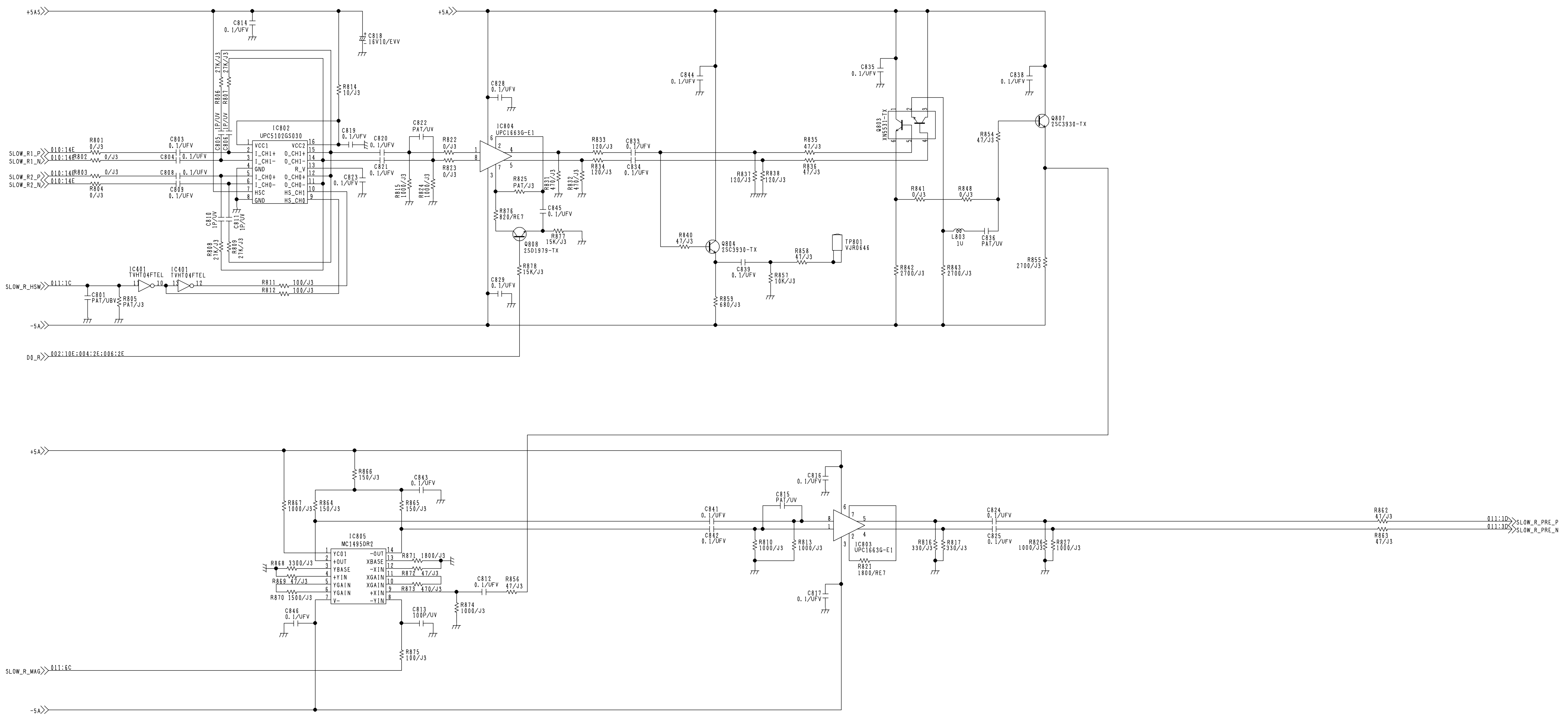
REC_R_5V 010:15J
RP_PBR1+ 002:1E
RP_PBR1- 002:1E
RP_PBR2+ 002:9F
RP_PBR2- 002:9F
RP_R_HSW 011:6C
-5A
REC_R_INV 010:15J
DO_R 002:10E:004:2E:008:2E
REC1 003:2E:004:2E:005:2F:011:8C
+5A
RP_R_MAG 011:3C
-5A
011:1D RP_R_PRE_P
011:3D RP_R_PRE_N
C614 0.1/UFV
C659 8200P/UBV
C618 16V10/EVV
R614 10/J3
IC602 UPC5102GS030
VCC1 I_CH1+ I_CH1- GND I_CH0+ I_CH0- HSC GND
VCC2 O_CH1+ O_CH1- R_V O_CH0+ O_CH0- HS_CH1 HS_CH0
R606 27K/J3
R607 27K/J3
C605 1P/UV
C606 1P/UV
C610 1P/UV
C611 1P/UV
R608 27K/J3
R609 27K/J3
L601 PAT/LA
C602 PAT/UV
C660 PAT/UV
L602 PAT/LA
C607 PAT/UV
C661 PAT/UV
R697 PAT/J3
R698 PAT/J3
R601 0/J3
R602 0/J3
R603 0/J3
R604 0/J3
R699 PAT/J3
R700 PAT/J3
C603 0.1/UFV
C604 0.1/UFV
C608 0.1/UFV
C609 0.1/UFV
C619 0.1/UFV
C620 0.1/UFV
C621 0.1/UFV
C623 0.1/UFV
C622 PAT/UV
R622 0/J3
R623 0/J3
R615 1000/J3
R624 1000/J3
R683 0/J3
R684 0/J3
Q613 XN1504-TX
MUTE_P
MUTE_N
PAT/UV C662
R681 10K/J3
PAT/UV C663
R682 10K/J3
IC401 TVHT04FTEL
IC401 TVHT04FTEL
C501 PAT/UBV
R605 PAT/J3
R611 100/J3
R612 100/J3
C628 0.1/UFV
IC604 UPC1663G-E1
R625 PAT/J3
C668 0.1/UFV
R635 820/RE7
Q614 2SD1979-TX
R636 15K/J3
R679 15K/J3
C629 0.1/UFV
R631 470/J3
R632 470/J3
R633 120/J3
R634 120/J3
C633 0.1/UFV
C634 0.1/UFV
C667 0.1/UFV
R637 120/J3
R642 120/J3
R639 47/J3
Q605 2SC3930-TX
C642 0.1/UFV
R667 47/J3
R660 10K/J3
TP601 VJR0646
R661 680/J3
C637 0.1/UFV
Q604 XN5531-TX
R640 47/J3
R641 47/J3
R646 0/J3
R648 0/J3
L607 1U
C638 PAT/UV
R643 2700/J3
R644 2700/J3
C640 0.1/UFV
R655 47/J3
Q608 2SC3930-TX
C641 0.1/UFV
R656 47/J3
R657 470/J3
R665 0/J3
L608 10
VC601 10P
C646 SP/UV
C647 PAT/UFV
C649 0.1/UFV
R669 47/J3
Q611 2SC3930-TX
R663 10K/J3
R672 680/J3
C651 0.1/UFV
R673 47/J3
C652 0.01/UBV
C653 0.047/UBV
L609 100U
L610 100U
C655 0.033/UBV
C657 0.033/UBV
C656 0.1/UFV
Q612 2SC3930-TX
R674 47/J3
R675 2700/J3
C658 0.1/UFV
R658 10K/J3
Q610 2SD1979-TX
R687 150/J3
C666 0.1/UFV
R688 1000/J3
R685 150/J3
R686 150/J3
IC605 MC1495DR2
YC01 +OUT YBASE +YIN YGAIN YGAIN V-
-OUT XBASE -XIN XGAIN XGAIN +XIN -YIN
R689 3300/J3
R690 47/J3
R691 1500/J3
R692 1800/J3
R693 47/J3
R694 220/J3
C612 0.1/UFV
R676 47/J3
R695 1000/J3
C669 0.1/UFV
C613 100P/UV
R696 100/J3
C664 0.1/UFV
C665 0.1/UFV
C615 PAT/UV
R610 1000/J3
R613 1000/J3
C616 0.1/UFV
C617 0.1/UFV
IC603 UPC1663G-E1
R621 750/RE7
R616 330/J3
R617 330/J3
C624 0.1/UFV
C625 0.1/UFV
R626 1000/J3
R627 1000/J3
R677 47/J3
R678 47/J3

COMPONENT NAME	HEAD BUFF 100	06/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85180A		KR5545 (6/11) - 6
		SCM152


+5AS
+5A
-5A
SLOW_L1_P
SLOW_L1_N
SLOW_L2_P
SLOW_L2_N
SLOW_L_HSW
DO_L
SLOW_L_MAG
SLOW_L_PRE_P
SLOW_L_PRE_N
IC702
UPC5102GS030
IC704
UPC1663G-E1
IC703
UPC1663G-E1
IC705
MC1495DR2
IC301
TVHT04FTEL
IC501
TVHT04FTEL
Q703
XN6531-TX
Q704
2SC3930-TX
Q707
2SC3930-TX
Q708
2SD1979-TX
L703
1U
TP701
VJR0646
C714 0.1/UFV
C718 16V10/EVV
C703 0.1/UFV
C704 0.1/UFV
C708 0.1/UFV
C709 0.1/UFV
C719 0.1/UFV
C720 0.1/UFV
C721 0.1/UFV
C722 PAT/UV
C723 0.1/UFV
C728 0.1/UFV
C729 0.1/UFV
C733 0.1/UFV
C734 0.1/UFV
C735 0.1/UFV
C736 PAT/UV
C738 0.1/UFV
C739 0.1/UFV
C744 0.1/UFV
C745 0.1/UFV
C701 PAT/UBV
C710 1P/UV
C711 1P/UV
C705 1P/UV
C706 1P/UV
R701 0/J3
R702 0/J3
R703 0/J3
R704 0/J3
R705 PAT/J3
R706 27K/J3
R707 27K/J3
R708 27K/J3
R709 27K/J3
R711 100/J3
R712 100/J3
R714 10/J3
R715 1000/J3
R724 1000/J3
R722 0/J3
R723 0/J3
R725 PAT/J3
R776 820/RE7
R777 15K/J3
R778 15K/J3
R731 470/J3
R732 470/J3
R733 120/J3
R734 120/J3
R737 120/J3
R738 120/J3
R735 47/J3
R736 47/J3
R740 47/J3
R741 0/J3
R748 0/J3
R742 2700/J3
R743 2700/J3
R754 47/J3
R755 2700/J3
R757 10K/J3
R758 47/J3
R759 680/J3
C741 0.1/UFV
C742 0.1/UFV
C743 0.1/UFV
C715 PAT/UV
C716 0.1/UFV
C717 0.1/UFV
C724 0.1/UFV
C725 0.1/UFV
C712 0.1/UFV
C713 100P/UV
C746 0.1/UFV
R766 150/J3
R767 1000/J3
R764 150/J3
R765 150/J3
R768 3300/J3
R769 47/J3
R770 1500/J3
R771 1800/J3
R772 47/J3
R773 470/J3
R774 1000/J3
R775 100/J3
R756 47/J3
R710 1000/J3
R713 1000/J3
R721 1800/RE7
R716 330/J3
R717 330/J3
R726 1000/J3
R727 1000/J3
R762 47/J3
R763 47/J3
VCC1
I_CH1+
I_CH1-
GND
I_CH0+
I_CH0-
HSC
VCC2
O_CH1+
O_CH1-
R_V
O_CH0+
O_CH0-
HS_CH1
HS_CH0
VCO1
+OUT
YBASE
+YIN
YGAIN
V-
-OUT
XBASE
-XIN
XGAIN
+XIN
-YIN
010:14G
010:14G
010:14F
010:14F
011:3C
011:6C
001:10D:003:2E:005:2E
011:3D
011:3D

COMPONENT NAME	HEAD BUFF 100	07/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85180A		KR5545 (7/11) - 7
		SCM153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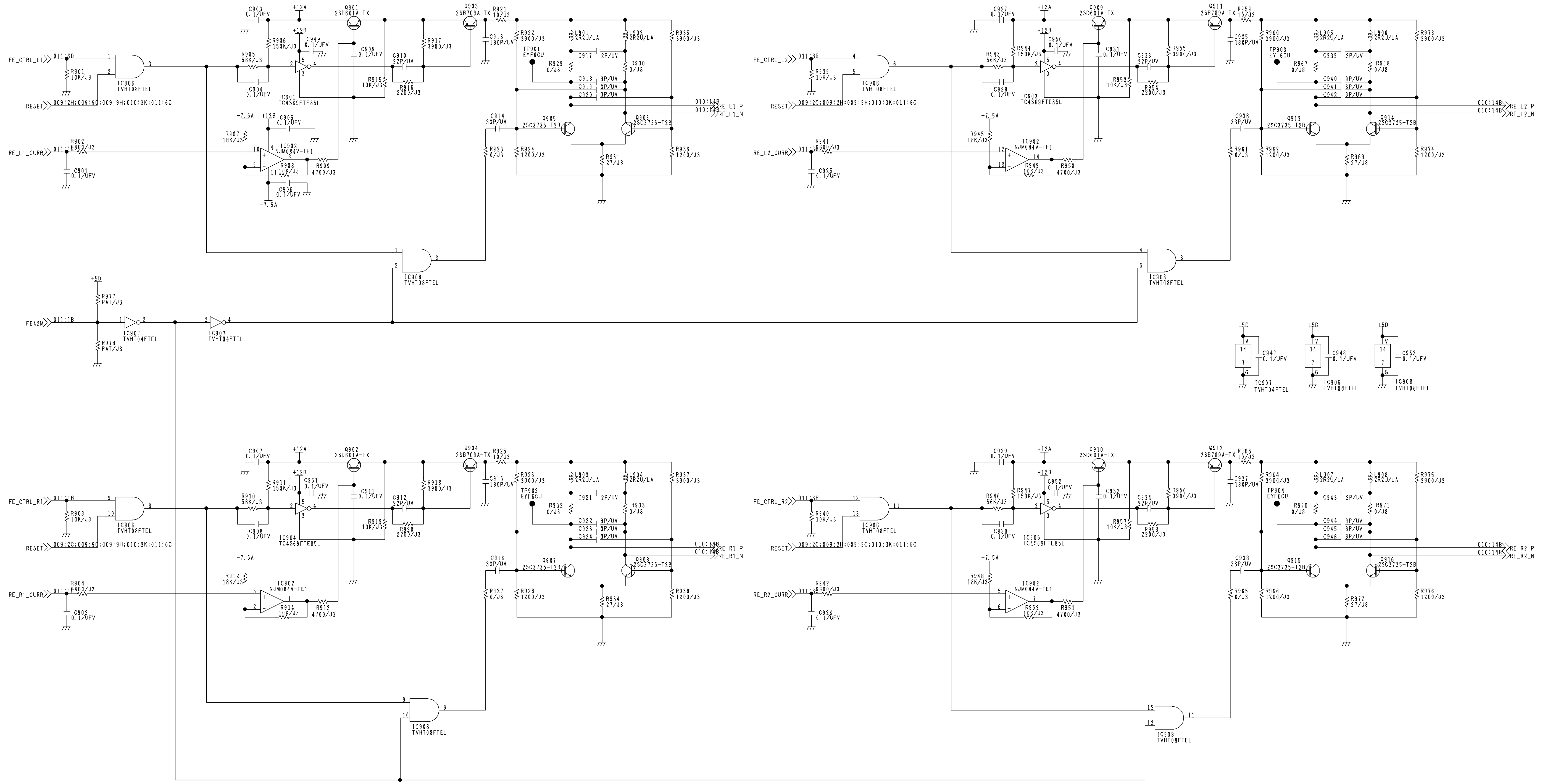
SLOW_R1_P
SLOW_R1_N
SLOW_R2_P
SLOW_R2_N
010:14E
SLOW_R_HSW
011:1C
-5A
D0_R
002:10E:004:2E:006:2E
IC802
UPC5102GS030
VCC1
I_CH1+
I_CH1-
GND
I_CH0+
I_CH0-
HSC
O_CH1+
O_CH1-
R_V
O_CH0+
O_CH0-
HS_CH1
HS_CH0
VCC2
IC401
TVHT04FTEL
C814 0.1/UFV
C818 16V10/EVV
R814 10/J3
R801 0/J3
R802 0/J3
R803 0/J3
R804 0/J3
C803 0.1/UFV
C804 0.1/UFV
C808 0.1/UFV
C809 0.1/UFV
R806 27K/J3
R807 27K/J3
C805 1P/UV
C806 1P/UV
C810 1P/UV
C811 1P/UV
R808 27K/J3
R809 27K/J3
C801 PAT/UBV
R805 PAT/J3
R811 100/J3
R812 100/J3
C819 0.1/UFV
C820 0.1/UFV
C821 0.1/UFV
C823 0.1/UFV
C822 PAT/UV
R822 0/J3
R823 0/J3
R815 1000/J3
R824 1000/J3
+5A
IC804
UPC1663G-E1
C828 0.1/UFV
C829 0.1/UFV
R825 PAT/J3
R831 470/J3
R832 470/J3
C845 0.1/UFV
R876 820/RE7
Q808 2SD1979-TX
R877 15K/J3
R878 15K/J3
R833 120/J3
R834 120/J3
C833 0.1/UFV
C834 0.1/UFV
C844 0.1/UFV
R840 47/J3
Q804 2SC3930-TX
C839 0.1/UFV
R857 10K/J3
R858 47/J3
TP801 VJR0646
R859 680/J3
R837 120/J3
R838 120/J3
R835 47/J3
R836 47/J3
C835 0.1/UFV
Q803 XN5531-TX
R841 0/J3
R848 0/J3
L803 1U
C836 PAT/UV
R842 2700/J3
R843 2700/J3
C838 0.1/UFV
Q807 2SC3930-TX
R854 47/J3
R855 2700/J3
+5A
-5A
SLOW_R_MAG
011:6C
IC805
MC1495DR2
YC01
+OUT
YBASE
+YIN
YGAIN
YGAIN
V-
-OUT
XBASE
-XIN
XGAIN
XGAIN
+XIN
-YIN
R866 150/J3
R867 1000/J3
R864 150/J3
R865 150/J3
C843 0.1/UFV
R868 3300/J3
R869 47/J3
R870 1500/J3
C846 0.1/UFV
R871 1800/J3
R872 47/J3
R873 470/J3
R874 1000/J3
C812 0.1/UFV
R856 47/J3
C813 100P/UV
R875 100/J3
C816 0.1/UFV
C815 PAT/UV
C841 0.1/UFV
C842 0.1/UFV
R810 1000/J3
R813 1000/J3
IC803
UPC1663G-E1
R821 1800/RE7
C817 0.1/UFV
R816 330/J3
R817 330/J3
C824 0.1/UFV
C825 0.1/UFV
R826 1000/J3
R827 1000/J3
R862 47/J3
R863 47/J3
011:1D
011:3D
SLOW_R_PRE_P
SLOW_R_PRE_N

COMPONENT NAME	**HEAD BUFF 100**	08/11
CIRCUIT BOARD NO.		DRAWING NO.
VEP85180A		KR5545 (8/11) - 8 SCM154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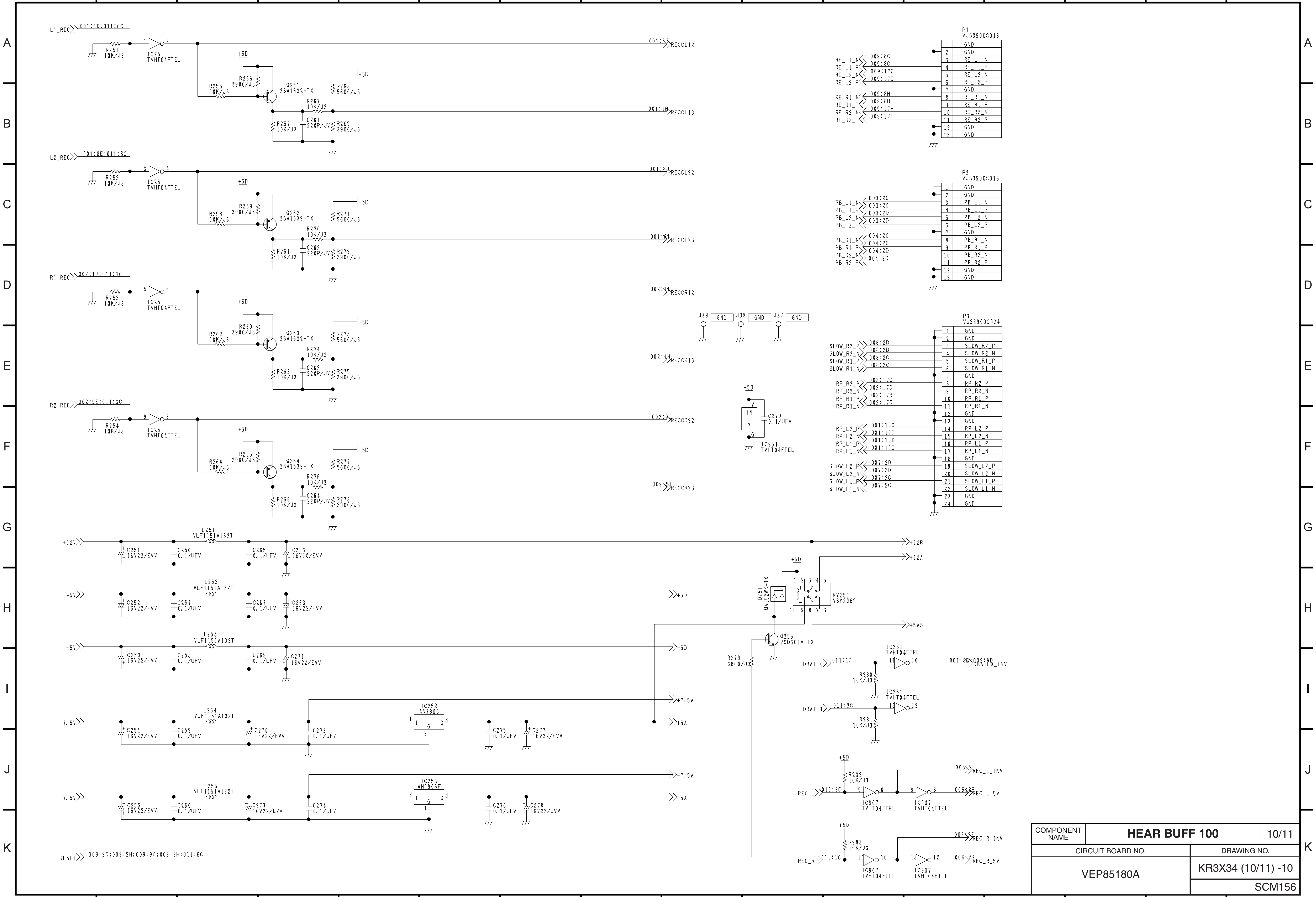
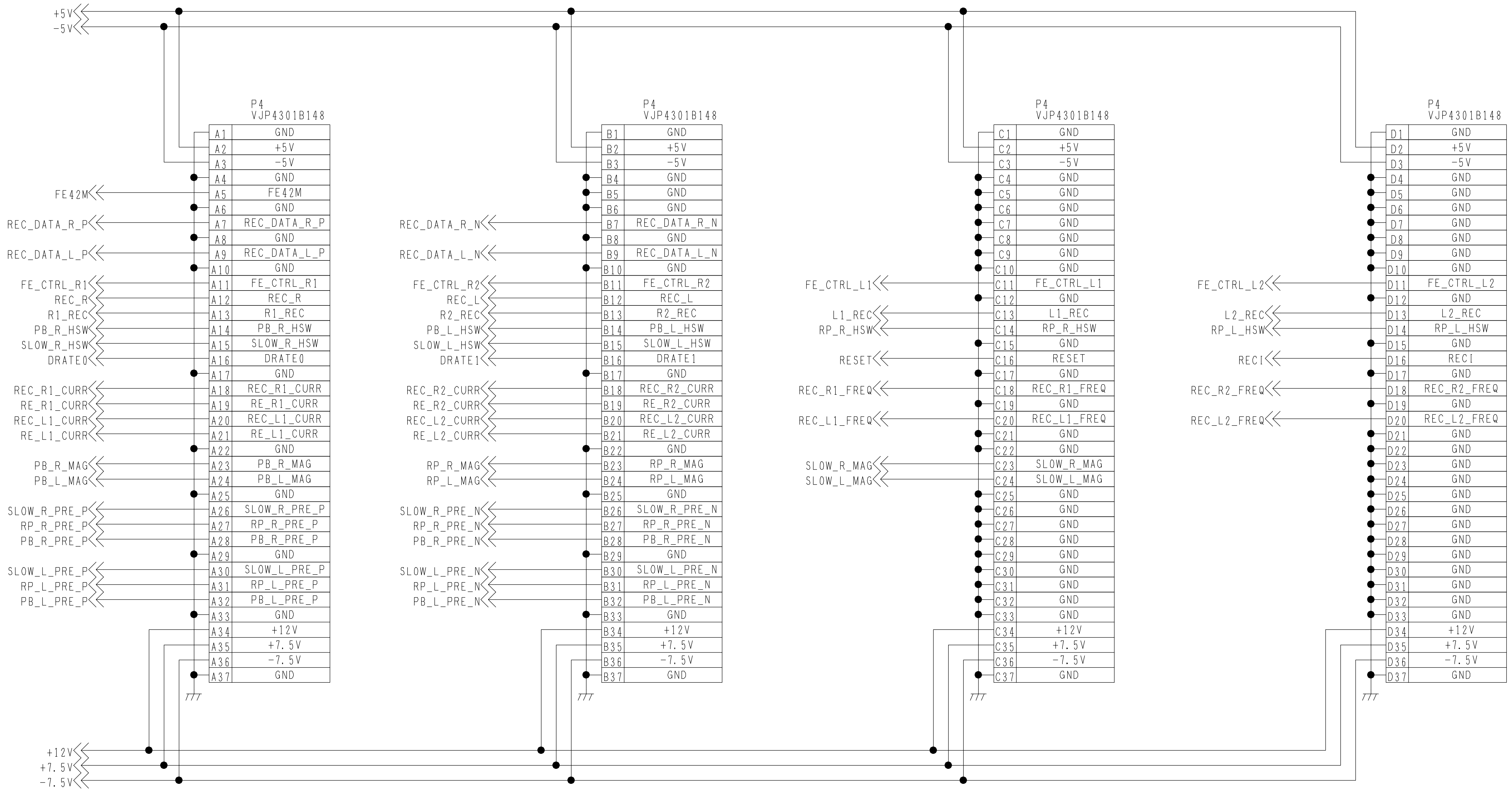
A B C D E F G H I J K
FE_CTRL_L1
011:6B
R901
10K/J3
IC906
TVHT08FTEL
RESET
009:2H;009:9C;009:9H;010:3K;011:6C
RE_L1_CURR
011:1C
R902
6800/J3
C901
0.1/UFV
C903
0.1/UFV
+12A
Q901
2SD601A-TX
+12B
C949
0.1/UFV
R906
150K/J3
R905
56K/J3
C904
0.1/UFV
IC901
TC4S69FTE85L
C909
0.1/UFV
C910
22P/UV
R917
3900/J3
R915
10K/J3
R916
2200/J3
Q903
2SB709A-TX
R921
10/J3
C913
180P/UV
R922
3900/J3
L901
2R2U/LA
L902
2R2U/LA
R935
3900/J3
TP901
EYF6CU
C917
2P/UV
R929
0/J8
R930
0/J8
C918
9P/UV
C919
3P/UV
C920
3P/UV
010:14B
RE_L1_P
010:14B
RE_L1_N
-7.5A
R907
18K/J3
C905
0.1/UFV
IC902
NJM084V-TE1
R908
10K/J3
R909
4700/J3
C906
0.1/UFV
-7.5A
C914
33P/UV
Q905
2SC3735-T2B
Q906
2SC3735-T2B
R923
0/J3
R924
1200/J3
R931
27/J8
R936
1200/J3
IC908
TVHT08FTEL
+5D
R977
PAT/J3
FE42M
011:1B
IC907
TVHT04FTEL
R978
PAT/J3
IC907
TVHT04FTEL
FE_CTRL_L2
011:8B
R939
10K/J3
IC906
TVHT08FTEL
RESET
009:2C;009:2H;009:9H;010:3K;011:6C
RE_L2_CURR
011:3C
R941
6800/J3
C925
0.1/UFV
C927
0.1/UFV
+12A
Q909
2SD601A-TX
+12B
C950
0.1/UFV
R944
150K/J3
R943
56K/J3
C928
0.1/UFV
IC903
TC4S69FTE85L
C931
0.1/UFV
C933
22P/UV
R955
3900/J3
R953
10K/J3
R954
2200/J3
Q911
2SB709A-TX
R959
10/J3
C935
180P/UV
R960
3900/J3
L905
2R2U/LA
L906
2R2U/LA
R973
3900/J3
TP903
EYF6CU
C939
2P/UV
R967
0/J8
R968
0/J8
C940
9P/UV
C941
3P/UV
C942
3P/UV
010:14B
RE_L2_P
010:14B
RE_L2_N
-7.5A
R945
18K/J3
IC902
NJM084V-TE1
R949
10K/J3
R950
4700/J3
C936
33P/UV
Q913
2SC3735-T2B
Q914
2SC3735-T2B
R961
0/J3
R962
1200/J3
R969
27/J8
R974
1200/J3
IC908
TVHT08FTEL
+5D
C947
0.1/UFV
IC907
TVHT04FTEL
+5D
C948
0.1/UFV
IC906
TVHT08FTEL
+5D
C953
0.1/UFV
IC908
TVHT08FTEL
FE_CTRL_R1
011:1B
R903
10K/J3
IC906
TVHT08FTEL
RESET
009:2C;009:9C;009:9H;010:3K;011:6C
RE_R1_CURR
011:1C
R904
6800/J3
C902
0.1/UFV
C907
0.1/UFV
+12A
Q902
2SD601A-TX
+12B
C951
0.1/UFV
R911
150K/J3
R910
56K/J3
C908
0.1/UFV
IC904
TC4S69FTE85L
C911
0.1/UFV
C912
22P/UV
R918
3900/J3
R919
10K/J3
R920
2200/J3
Q904
2SB709A-TX
R925
10/J3
C915
180P/UV
R926
3900/J3
L903
2R2U/LA
L904
2R2U/LA
R937
3900/J3
TP902
EYF6CU
C921
2P/UV
R932
0/J8
R933
0/J8
C922
9P/UV
C923
3P/UV
C924
3P/UV
010:14B
RE_R1_P
010:14B
RE_R1_N
-7.5A
R912
18K/J3
IC902
NJM084V-TE1
R914
10K/J3
R913
4700/J3
C916
33P/UV
Q907
2SC3735-T2B
Q908
2SC3735-T2B
R927
0/J3
R928
1200/J3
R934
27/J8
R938
1200/J3
IC908
TVHT08FTEL
FE_CTRL_R2
011:3B
R940
10K/J3
IC906
TVHT08FTEL
RESET
009:2C;009:2H;009:9C;010:3K;011:6C
RE_R2_CURR
011:3C
R942
6800/J3
C926
0.1/UFV
C929
0.1/UFV
+12A
Q910
2SD601A-TX
+12B
C952
0.1/UFV
R947
150K/J3
R946
56K/J3
C930
0.1/UFV
IC905
TC4S69FTE85L
C932
0.1/UFV
C934
22P/UV
R956
3900/J3
R957
10K/J3
R958
2200/J3
Q912
2SB709A-TX
R963
10/J3
C937
180P/UV
R964
3900/J3
L907
2R2U/LA
L908
2R2U/LA
R975
3900/J3
TP904
EYF6CU
C943
2P/UV
R970
0/J8
R971
0/J8
C944
9P/UV
C945
3P/UV
C946
3P/UV
010:14B
RE_R2_P
010:14B
RE_R2_N
-7.5A
R948
18K/J3
IC902
NJM084V-TE1
R952
10K/J3
R951
4700/J3
C938
33P/UV
Q915
2SC3735-T2B
Q916
2SC3735-T2B
R965
0/J3
R966
1200/J3
R972
27/J8
R976
1200/J3
IC908
TVHT08FTEL

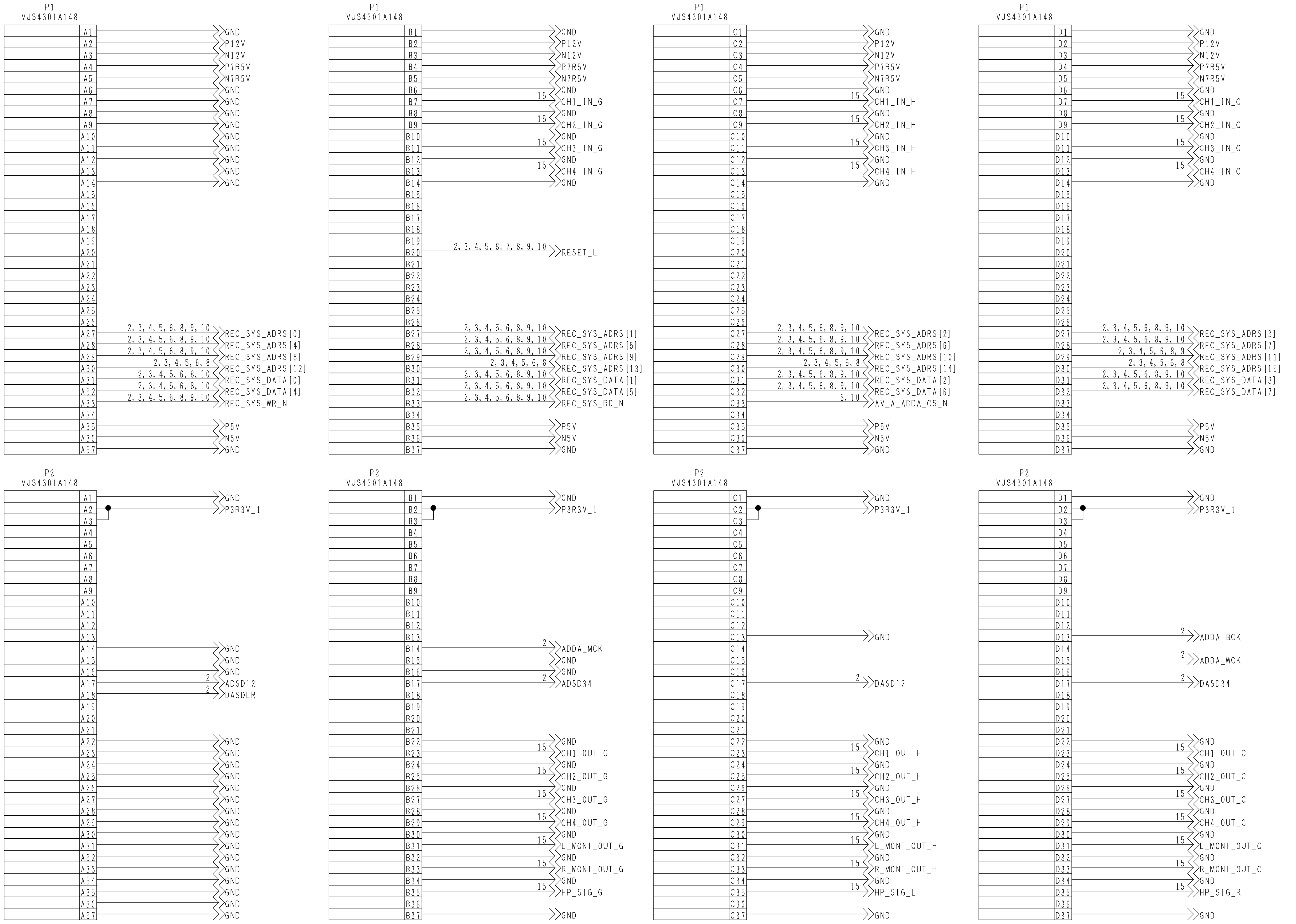
COMPONENT NAME	**HEAD BUFF 100**	09/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85180A	KR5545 (9/11) - 9	
	SCM155	


L1_REC 001:1D:011:6C
R251 10K/J3
IC251 TVHT04FTEL
001:1L RECCL12
R255 10K/J3
R256 3900/J3
Q251 2SA1532-TX
R267 10K/J3
R268 5600/J3
R257 10K/J3
C261 220P/UV
R269 3900/J3
001:1H RECCL13
L2_REC 001:8E:011:8C
R252 10K/J3
001:8L RECCL22
R258 10K/J3
R259 3900/J3
Q252 2SA1532-TX
R270 10K/J3
R271 5600/J3
R261 10K/J3
C262 220P/UV
R272 3900/J3
001:8H RECCL23
R1_REC 002:1D:011:1C
R253 10K/J3
002:1L RECCR12
R262 10K/J3
R260 3900/J3
Q253 2SA1532-TX
R274 10K/J3
R273 5600/J3
R263 10K/J3
C263 220P/UV
R275 3900/J3
002:1H RECCR13
R2_REC 002:9E:011:3C
R254 10K/J3
002:9L RECCR22
R264 10K/J3
R265 3900/J3
Q254 2SA1532-TX
R276 10K/J3
R277 5600/J3
R266 10K/J3
C264 220P/UV
R278 3900/J3
002:9H RECCR23
+5D
-5D
P1 VJS3900C013
GND GND RE_L1_N RE_L1_P RE_L2_N RE_L2_P GND RE_R1_N RE_R1_P RE_R2_N RE_R2_P GND GND
RE_L1_N 009:8C
RE_L1_P 009:8C
RE_L2_N 009:17C
RE_L2_P 009:17C
RE_R1_N 009:8H
RE_R1_P 009:8H
RE_R2_N 009:17H
RE_R2_P 009:17H
P2 VJS3900C013
GND GND PB_L1_N PB_L1_P PB_L2_N PB_L2_P GND PB_R1_N PB_R1_P PB_R2_N PB_R2_P GND GND
PB_L1_N 003:2C
PB_L1_P 003:2C
PB_L2_N 003:2D
PB_L2_P 003:2D
PB_R1_N 004:2C
PB_R1_P 004:2C
PB_R2_N 004:2D
PB_R2_P 004:2D
J39 GND J38 GND J37 GND
P3 VJS3900C024
GND GND SLOW_R2_P SLOW_R2_N SLOW_R1_P SLOW_R1_N GND RP_R2_P RP_R2_N RP_R1_P RP_R1_N GND GND RP_L2_P RP_L2_N RP_L1_P RP_L1_N GND SLOW_L2_P SLOW_L2_N SLOW_L1_P SLOW_L1_N GND GND
SLOW_R2_P 008:2D
SLOW_R2_N 008:2D
SLOW_R1_P 008:2C
SLOW_R1_N 008:2C
RP_R2_P 002:17C
RP_R2_N 002:17D
RP_R1_P 002:17B
RP_R1_N 002:17C
RP_L2_P 001:17C
RP_L2_N 001:17D
RP_L1_P 001:17B
RP_L1_N 001:17C
SLOW_L2_P 007:2D
SLOW_L2_N 007:2D
SLOW_L1_P 007:2C
SLOW_L1_N 007:2C
+5D C279 0.1/UFV IC251 TVHT04FTEL
+12V L251 VLF1151A132T C251 16V22/EVV C256 0.1/UFV C265 0.1/UFV C266 16V10/EVV +12B
+12A
+5V L252 VLF1151A132T C252 16V22/EVV C257 0.1/UFV C267 0.1/UFV C268 16V22/EVV +5D
-5V L253 VLF1151A132T C253 16V22/EVV C258 0.1/UFV C269 0.1/UFV C271 16V22/EVV -5D
D251 MA152WK-TX
RY251 VSY2069
+5AS
Q255 2SD601A-TX
R279 6800/J3
+7.5A
+7.5V L254 VLF1151A132T C254 16V22/EVV C259 0.1/UFV C270 16V22/EVV C272 0.1/UFV
IC252 AN7805
C275 0.1/UFV C277 16V22/EVV +5A
-1.5A
-7.5V L255 VLF1151A132T C255 16V22/EVV C260 0.1/UFV C273 16V22/EVV C274 0.1/UFV
IC253 AN1905F
C276 0.1/UFV C278 16V22/EVV -5A
RESET 009:2C:009:2H:009:9C:009:9H:011:6C
DRATE0 011:1C IC251 TVHT04FTEL R280 10K/J3 001:8D:002:9D DRATE0_INV
DRATE1 011:3C IC251 TVHT04FTEL R281 10K/J3
REC_L 011:3C R282 10K/J3 IC907 TVHT04FTEL IC907 TVHT04FTEL 005:8E REC_L_INV 005:8B REC_L_5V
REC_R 011:1C R283 10K/J3 IC907 TVHT04FTEL IC907 TVHT04FTEL 006:8E REC_R_INV 006:8B REC_R_5V
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

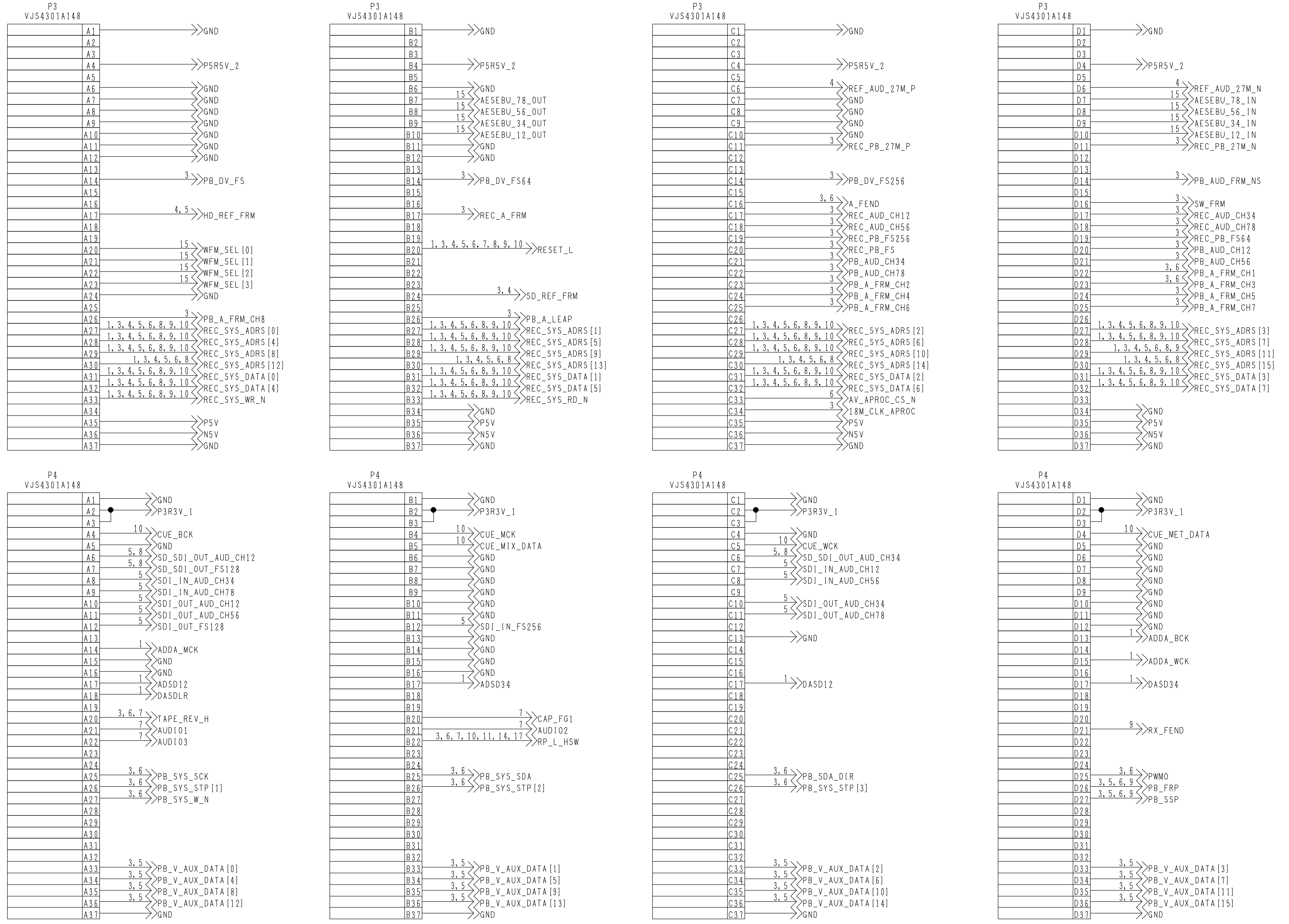
COMPONENT NAME	HEAR BUFF 100	10/11
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85180A	KR3X34 (10/11) -10	
	SCM156	


+5V
-5V
FE42M
REC_DATA_R_P
REC_DATA_L_P
FE_CTRL_R1
REC_R
R1_REC
PB_R_HSW
SLOW_R_HSW
DRATE0
REC_R1_CURR
RE_R1_CURR
REC_L1_CURR
RE_L1_CURR
PB_R_MAG
PB_L_MAG
SLOW_R_PRE_P
RP_R_PRE_P
PB_R_PRE_P
SLOW_L_PRE_P
RP_L_PRE_P
PB_L_PRE_P
P4
VJP4301B148
A1 GND
A2 +5V
A3 -5V
A4 GND
A5 FE42M
A6 GND
A7 REC_DATA_R_P
A8 GND
A9 REC_DATA_L_P
A10 GND
A11 FE_CTRL_R1
A12 REC_R
A13 R1_REC
A14 PB_R_HSW
A15 SLOW_R_HSW
A16 DRATE0
A17 GND
A18 REC_R1_CURR
A19 RE_R1_CURR
A20 REC_L1_CURR
A21 RE_L1_CURR
A22 GND
A23 PB_R_MAG
A24 PB_L_MAG
A25 GND
A26 SLOW_R_PRE_P
A27 RP_R_PRE_P
A28 PB_R_PRE_P
A29 GND
A30 SLOW_L_PRE_P
A31 RP_L_PRE_P
A32 PB_L_PRE_P
A33 GND
A34 +12V
A35 +7.5V
A36 -7.5V
A37 GND
REC_DATA_R_N
REC_DATA_L_N
FE_CTRL_R2
REC_L
R2_REC
PB_L_HSW
SLOW_L_HSW
DRATE1
REC_R2_CURR
RE_R2_CURR
REC_L2_CURR
RE_L2_CURR
RP_R_MAG
RP_L_MAG
SLOW_R_PRE_N
RP_R_PRE_N
PB_R_PRE_N
SLOW_L_PRE_N
RP_L_PRE_N
PB_L_PRE_N
P4
VJP4301B148
B1 GND
B2 +5V
B3 -5V
B4 GND
B5 GND
B6 GND
B7 REC_DATA_R_N
B8 GND
B9 REC_DATA_L_N
B10 GND
B11 FE_CTRL_R2
B12 REC_L
B13 R2_REC
B14 PB_L_HSW
B15 SLOW_L_HSW
B16 DRATE1
B17 GND
B18 REC_R2_CURR
B19 RE_R2_CURR
B20 REC_L2_CURR
B21 RE_L2_CURR
B22 GND
B23 RP_R_MAG
B24 RP_L_MAG
B25 GND
B26 SLOW_R_PRE_N
B27 RP_R_PRE_N
B28 PB_R_PRE_N
B29 GND
B30 SLOW_L_PRE_N
B31 RP_L_PRE_N
B32 PB_L_PRE_N
B33 GND
B34 +12V
B35 +7.5V
B36 -7.5V
B37 GND
FE_CTRL_L1
L1_REC
RP_R_HSW
RESET
REC_R1_FREQ
REC_L1_FREQ
SLOW_R_MAG
SLOW_L_MAG
P4
VJP4301B148
C1 GND
C2 +5V
C3 -5V
C4 GND
C5 GND
C6 GND
C7 GND
C8 GND
C9 GND
C10 GND
C11 FE_CTRL_L1
C12 GND
C13 L1_REC
C14 RP_R_HSW
C15 GND
C16 RESET
C17 GND
C18 REC_R1_FREQ
C19 GND
C20 REC_L1_FREQ
C21 GND
C22 GND
C23 SLOW_R_MAG
C24 SLOW_L_MAG
C25 GND
C26 GND
C27 GND
C28 GND
C29 GND
C30 GND
C31 GND
C32 GND
C33 GND
C34 +12V
C35 +7.5V
C36 -7.5V
C37 GND
FE_CTRL_L2
L2_REC
RP_L_HSW
RECI
REC_R2_FREQ
REC_L2_FREQ
P4
VJP4301B148
D1 GND
D2 +5V
D3 -5V
D4 GND
D5 GND
D6 GND
D7 GND
D8 GND
D9 GND
D10 GND
D11 FE_CTRL_L2
D12 GND
D13 L2_REC
D14 RP_L_HSW
D15 GND
D16 RECI
D17 GND
D18 REC_R2_FREQ
D19 GND
D20 REC_L2_FREQ
D21 GND
D22 GND
D23 GND
D24 GND
D25 GND
D26 GND
D27 GND
D28 GND
D29 GND
D30 GND
D31 GND
D32 GND
D33 GND
D34 +12V
D35 +7.5V
D36 -7.5V
D37 GND
+12V
+7.5V
-7.5V

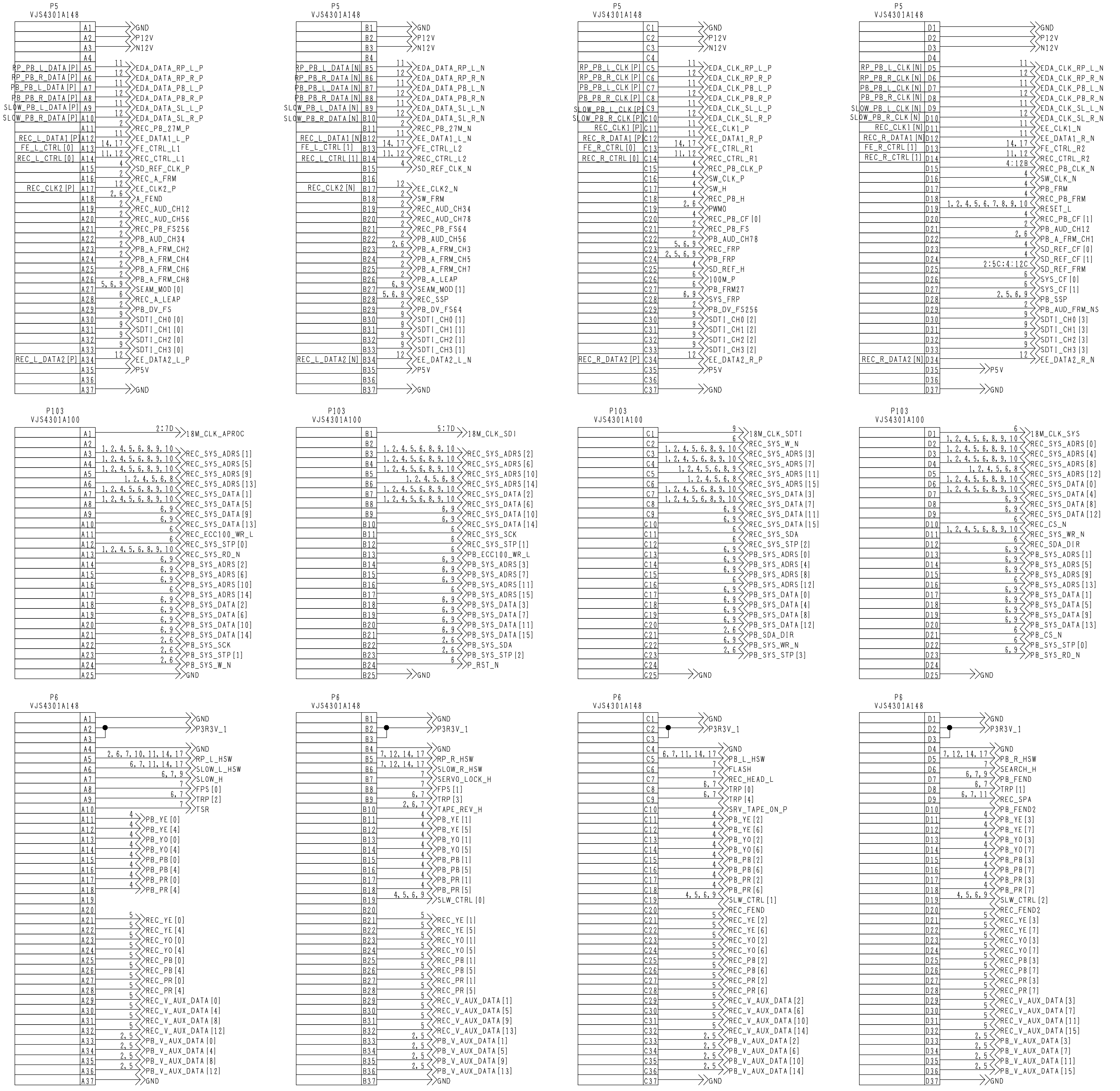
COMPONENT NAME	HEAD BUFF 100		11/11
CIRCUIT BOARD NO.		DRAWING NO.	
VEP85180A		KR5545 (11/11) -11	
		SCM157	


P1
VJS4301A148
A1 GND
A2 P12V
A3 N12V
A4 P7R5V
A5 N7R5V
A6 GND
A7 GND
A8 GND
A9 GND
A10 GND
A11 GND
A12 GND
A13 GND
A14 GND
A15
A16
A17
A18
A19
A20
A21
A22
A23
A24
A25
A26
A27 2,3,4,5,6,8,9,10 REC_SYS_ADRS[0]
A28 2,3,4,5,6,8,9,10 REC_SYS_ADRS[4]
A29 2,3,4,5,6,8,9,10 REC_SYS_ADRS[8]
A30 2,3,4,5,6,8 REC_SYS_ADRS[12]
A31 2,3,4,5,6,8,10 REC_SYS_DATA[0]
A32 2,3,4,5,6,8,10 REC_SYS_DATA[4]
A33 2,3,4,5,6,8,9,10 REC_SYS_WR_N
A34
A35 P5V
A36 N5V
A37 GND
P1
VJS4301A148
B1 GND
B2 P12V
B3 N12V
B4 P7R5V
B5 N7R5V
B6 GND
B7 15 CH1_IN_G
B8 GND
B9 15 CH2_IN_G
B10 GND
B11 15 CH3_IN_G
B12 GND
B13 15 CH4_IN_G
B14 GND
B15
B16
B17
B18
B19
B20 2,3,4,5,6,7,8,9,10 RESET_L
B21
B22
B23
B24
B25
B26
B27 2,3,4,5,6,8,9,10 REC_SYS_ADRS[1]
B28 2,3,4,5,6,8,9,10 REC_SYS_ADRS[5]
B29 2,3,4,5,6,8,9,10 REC_SYS_ADRS[9]
B30 2,3,4,5,6,8 REC_SYS_ADRS[13]
B31 2,3,4,5,6,8,9,10 REC_SYS_DATA[1]
B32 2,3,4,5,6,8,9,10 REC_SYS_DATA[5]
B33 2,3,4,5,6,8,9,10 REC_SYS_RD_N
B34
B35 P5V
B36 N5V
B37 GND
P1
VJS4301A148
C1 GND
C2 P12V
C3 N12V
C4 P7R5V
C5 N7R5V
C6 GND
C7 15 CH1_IN_H
C8 15 GND
C9 CH2_IN_H
C10 GND
C11 15 CH3_IN_H
C12 GND
C13 15 CH4_IN_H
C14 GND
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C26
C27 2,3,4,5,6,8,9,10 REC_SYS_ADRS[2]
C28 2,3,4,5,6,8,9,10 REC_SYS_ADRS[6]
C29 2,3,4,5,6,8,9,10 REC_SYS_ADRS[10]
C30 2,3,4,5,6,8 REC_SYS_ADRS[14]
C31 2,3,4,5,6,8,9,10 REC_SYS_DATA[2]
C32 2,3,4,5,6,8,9,10 REC_SYS_DATA[6]
C33 6,10 AV_A_ADDA_CS_N
C34
C35 P5V
C36 N5V
C37 GND
P1
VJS4301A148
D1 GND
D2 P12V
D3 N12V
D4 P7R5V
D5 N7R5V
D6 GND
D7 15 CH1_IN_C
D8 15 GND
D9 CH2_IN_C
D10 GND
D11 15 CH3_IN_C
D12 GND
D13 15 CH4_IN_C
D14 GND
D15
D16
D17
D18
D19
D20
D21
D22
D23
D24
D25
D26
D27 2,3,4,5,6,8,9,10 REC_SYS_ADRS[3]
D28 2,3,4,5,6,8,9,10 REC_SYS_ADRS[7]
D29 2,3,4,5,6,8,9 REC_SYS_ADRS[11]
D30 2,3,4,5,6,8 REC_SYS_ADRS[15]
D31 2,3,4,5,6,8,9,10 REC_SYS_DATA[3]
D32 2,3,4,5,6,8,9,10 REC_SYS_DATA[7]
D33
D34
D35 P5V
D36 N5V
D37 GND
P2
VJS4301A148
A1 GND
A2 P3R3V_1
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14 GND
A15 GND
A16 GND
A17 2 ADSD12
A18 2 DASDLR
A19
A20
A21
A22 GND
A23 GND
A24 GND
A25 GND
A26 GND
A27 GND
A28 GND
A29 GND
A30 GND
A31 GND
A32 GND
A33 GND
A34 GND
A35 GND
A36 GND
A37 GND
P2
VJS4301A148
B1 GND
B2 P3R3V_1
B3
B4
B5
B6
B7
B8
B9
B10
B11
B12
B13
B14 2 ADDA_MCK
B15 GND
B16 GND
B17 2 ADSD34
B18
B19
B20
B21
B22 GND
B23 15 CH1_OUT_G
B24 GND
B25 15 CH2_OUT_G
B26 GND
B27 15 CH3_OUT_G
B28 GND
B29 15 CH4_OUT_G
B30 GND
B31 15 L_MONI_OUT_G
B32 GND
B33 15 R_MONI_OUT_G
B34 GND
B35 15 HP_SIG_G
B36
B37 GND
P2
VJS4301A148
C1 GND
C2 P3R3V_1
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13 GND
C14
C15
C16
C17 2 DASD12
C18
C19
C20
C21
C22 GND
C23 15 CH1_OUT_H
C24 GND
C25 15 CH2_OUT_H
C26 GND
C27 15 CH3_OUT_H
C28 GND
C29 15 CH4_OUT_H
C30 GND
C31 15 L_MONI_OUT_H
C32 GND
C33 15 R_MONI_OUT_H
C34 GND
C35 15 HP_SIG_L
C36
C37 GND
P2
VJS4301A148
D1 GND
D2 P3R3V_1
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13 2 ADDA_BCK
D14
D15 2 ADDA_WCK
D16
D17 2 DASD34
D18
D19
D20
D21
D22 GND
D23 15 CH1_OUT_C
D24 GND
D25 15 CH2_OUT_C
D26 GND
D27 15 CH3_OUT_C
D28 GND
D29 15 CH4_OUT_C
D30 GND
D31 15 L_MONI_OUT_C
D32 GND
D33 15 R_MONI_OUT_C
D34 GND
D35 15 HP_SIG_R
D36
D37 GND

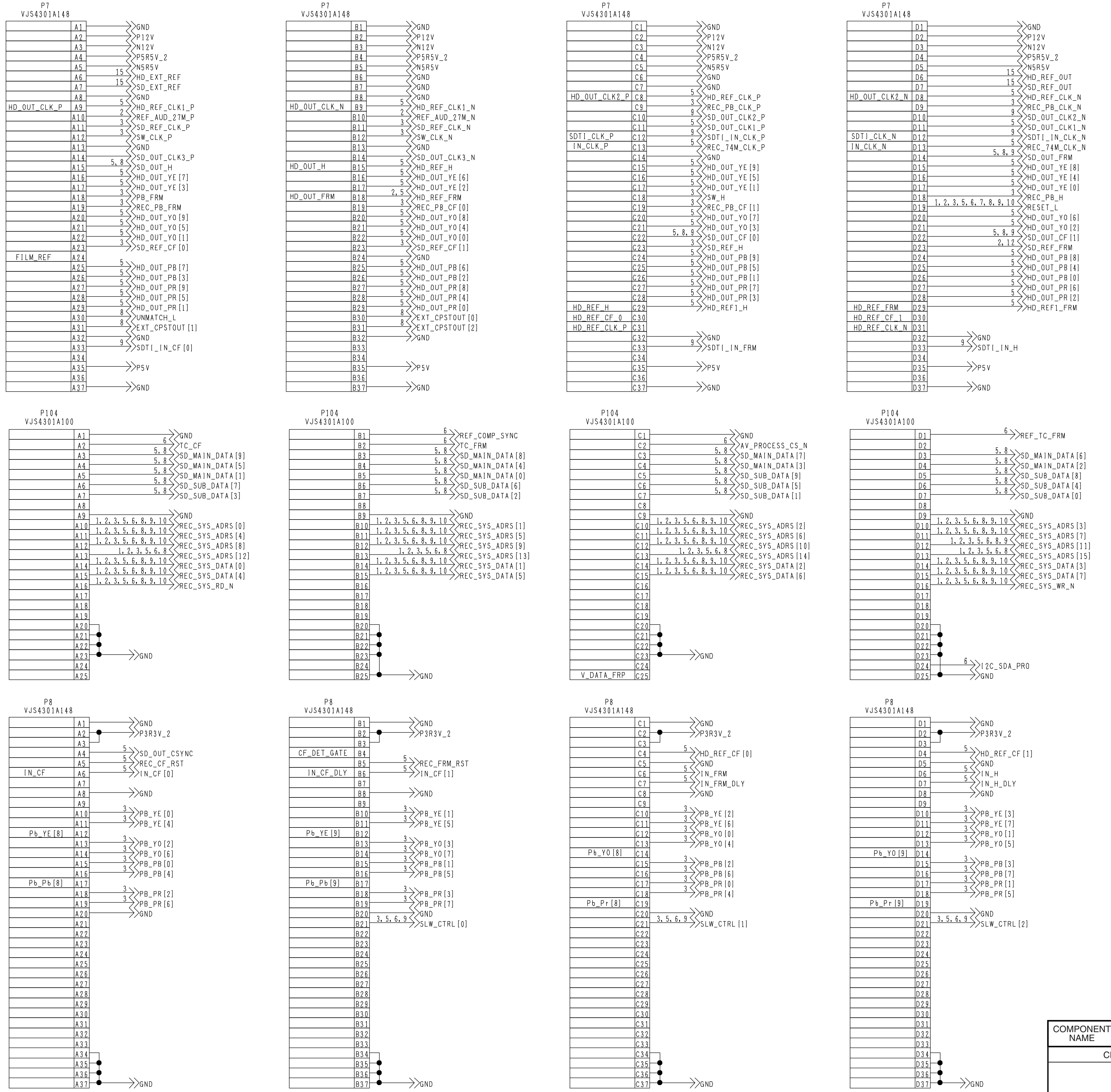
COMPONENT NAME	MOTHER		01/17
CIRCUIT BOARD NO.		DRAWING NO.	
VEP89134A		KR9G19-1 (1/17)	
		SCM158	


P3
VJS4301A148
A1 GND
A2
A3
A4 P5R5V_2
A5
A6 GND
A7 GND
A8 GND
A9 GND
A10 GND
A11 GND
A12 GND
A13
A14 3 PB_DV_FS
A15
A16
A17 4, 5 HD_REF_FRM
A18
A19
A20 15 WFM_SEL [0]
A21 15 WFM_SEL [1]
A22 15 WFM_SEL [2]
A23 15 WFM_SEL [3]
A24 GND
A25
A26 3 PB_A_FRM_CH8
A27 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [0]
A28 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [4]
A29 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [8]
A30 1, 3, 4, 5, 6, 8 REC_SYS_ADRS [12]
A31 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [0]
A32 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [4]
A33 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_WR_N
A34
A35 P5V
A36 N5V
A37 GND
P3
VJS4301A148
B1 GND
B2
B3
B4 P5R5V_2
B5
B6 GND
B7 15 AESEBU_78_OUT
B8 15 AESEBU_56_OUT
B9 15 AESEBU_34_OUT
B10 15 AESEBU_12_OUT
B11 GND
B12 GND
B13
B14 3 PB_DV_FS64
B15
B16
B17 3 REC_A_FRM
B18
B19
B20 1, 3, 4, 5, 6, 7, 8, 9, 10 RESET_L
B21
B22
B23
B24 3, 4 SD_REF_FRM
B25
B26 3 PB_A_LEAP
B27 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [1]
B28 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [5]
B29 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [9]
B30 1, 3, 4, 5, 6, 8 REC_SYS_ADRS [13]
B31 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [1]
B32 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [5]
B33 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_RD_N
B34 GND
B35 P5V
B36 N5V
B37 GND
P3
VJS4301A148
C1 GND
C2
C3
C4 P5R5V_2
C5
C6 4 REF_AUD_27M_P
C7 GND
C8 GND
C9 GND
C10 GND
C11 3 REC_PB_27M_P
C12
C13
C14 3 PB_DV_FS256
C15
C16 3, 6 A_FEND
C17 3 REC_AUD_CH12
C18 3 REC_AUD_CH56
C19 3 REC_PB_FS256
C20 3 REC_PB_FS
C21 3 PB_AUD_CH34
C22 3 PB_AUD_CH78
C23 3 PB_A_FRM_CH2
C24 3 PB_A_FRM_CH4
C25 3 PB_A_FRM_CH6
C26
C27 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [2]
C28 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [6]
C29 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [10]
C30 1, 3, 4, 5, 6, 8 REC_SYS_ADRS [14]
C31 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [2]
C32 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [6]
C33 6 AV_APROC_CS_N
C34 3 18M_CLK_APROC
C35 P5V
C36 N5V
C37 GND
P3
VJS4301A148
D1 GND
D2
D3
D4 P5R5V_2
D5
D6 4 REF_AUD_27M_N
D7 15 AESEBU_78_IN
D8 15 AESEBU_56_IN
D9 15 AESEBU_34_IN
D10 15 AESEBU_12_IN
D11 3 REC_PB_27M_N
D12
D13
D14 3 PB_AUD_FRM_NS
D15
D16 3 SW_FRM
D17 3 REC_AUD_CH34
D18 3 REC_AUD_CH78
D19 3 REC_PB_FS64
D20 3 PB_AUD_CH12
D21 3 PB_AUD_CH56
D22 3, 6 PB_A_FRM_CH1
D23 3, 6 PB_A_FRM_CH3
D24 3 PB_A_FRM_CH5
D25 3 PB_A_FRM_CH7
D26
D27 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [3]
D28 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS [7]
D29 1, 3, 4, 5, 6, 8, 9 REC_SYS_ADRS [11]
D30 1, 3, 4, 5, 6, 8 REC_SYS_ADRS [15]
D31 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [3]
D32 1, 3, 4, 5, 6, 8, 9, 10 REC_SYS_DATA [7]
D33
D34 GND
D35 P5V
D36 N5V
D37 GND
P4
VJS4301A148
A1 GND
A2 P3R3V_1
A3
A4 10 CUE_BCK
A5 GND
A6 5, 8 SD_SDI_OUT_AUD_CH12
A7 5, 8 SD_SDI_OUT_FS128
A8 5 SDI_IN_AUD_CH34
A9 5 SDI_IN_AUD_CH78
A10 5 SDI_OUT_AUD_CH12
A11 5 SDI_OUT_AUD_CH56
A12 5 SDI_OUT_FS128
A13
A14 1 ADDA_MCK
A15 GND
A16 GND
A17 1 ADSD12
A18 1 DASDLR
A19
A20 3, 6, 7 TAPE_REV_H
A21 7 AUDIO1
A22 7 AUDIO3
A23
A24
A25 3, 6 PB_SYS_SCK
A26 3, 6 PB_SYS_STP [1]
A27 3, 6 PB_SYS_W_N
A28
A29
A30
A31
A32
A33 3, 5 PB_V_AUX_DATA [0]
A34 3, 5 PB_V_AUX_DATA [4]
A35 3, 5 PB_V_AUX_DATA [8]
A36 3, 5 PB_V_AUX_DATA [12]
A37 GND
P4
VJS4301A148
B1 GND
B2 P3R3V_1
B3
B4 10 CUE_MCK
B5 10 CUE_MIX_DATA
B6 GND
B7 GND
B8 GND
B9 GND
B10 GND
B11 GND
B12 5 SDI_IN_FS256
B13 GND
B14 GND
B15 GND
B16 GND
B17 1 ADSD34
B18
B19
B20 7 CAP_FG1
B21 7 AUDIO2
B22 3, 6, 7, 10, 11, 14, 17 RP_L_HSW
B23
B24
B25 3, 6 PB_SYS_SDA
B26 3, 6 PB_SYS_STP [2]
B27
B28
B29
B30
B31
B32
B33 3, 5 PB_V_AUX_DATA [1]
B34 3, 5 PB_V_AUX_DATA [5]
B35 3, 5 PB_V_AUX_DATA [9]
B36 3, 5 PB_V_AUX_DATA [13]
B37 GND
P4
VJS4301A148
C1 GND
C2 P3R3V_1
C3
C4 GND
C5 10 CUE_WCK
C6 5, 8 SD_SDI_OUT_AUD_CH34
C7 5 SDI_IN_AUD_CH12
C8 5 SDI_IN_AUD_CH56
C9
C10 5 SDI_OUT_AUD_CH34
C11 5 SDI_OUT_AUD_CH78
C12
C13 GND
C14
C15
C16
C17 1 DASD12
C18
C19
C20
C21
C22
C23
C24
C25 3, 6 PB_SDA_DIR
C26 3, 6 PB_SYS_STP [3]
C27
C28
C29
C30
C31
C32
C33 3, 5 PB_V_AUX_DATA [2]
C34 3, 5 PB_V_AUX_DATA [6]
C35 3, 5 PB_V_AUX_DATA [10]
C36 3, 5 PB_V_AUX_DATA [14]
C37 GND
P4
VJS4301A148
D1 GND
D2 P3R3V_1
D3
D4 10 CUE_MET_DATA
D5 GND
D6 GND
D7 GND
D8 GND
D9 GND
D10 GND
D11 GND
D12 GND
D13 1 ADDA_BCK
D14
D15 1 ADDA_WCK
D16
D17 1 DASD34
D18
D19
D20
D21 9 RX_FEND
D22
D23
D24
D25 3, 6 PWMO
D26 3, 5, 6, 9 PB_FRP
D27 3, 5, 6, 9 PB_SSP
D28
D29
D30
D31
D32
D33 3, 5 PB_V_AUX_DATA [3]
D34 3, 5 PB_V_AUX_DATA [7]
D35 3, 5 PB_V_AUX_DATA [11]
D36 3, 5 PB_V_AUX_DATA [15]
D37 GND

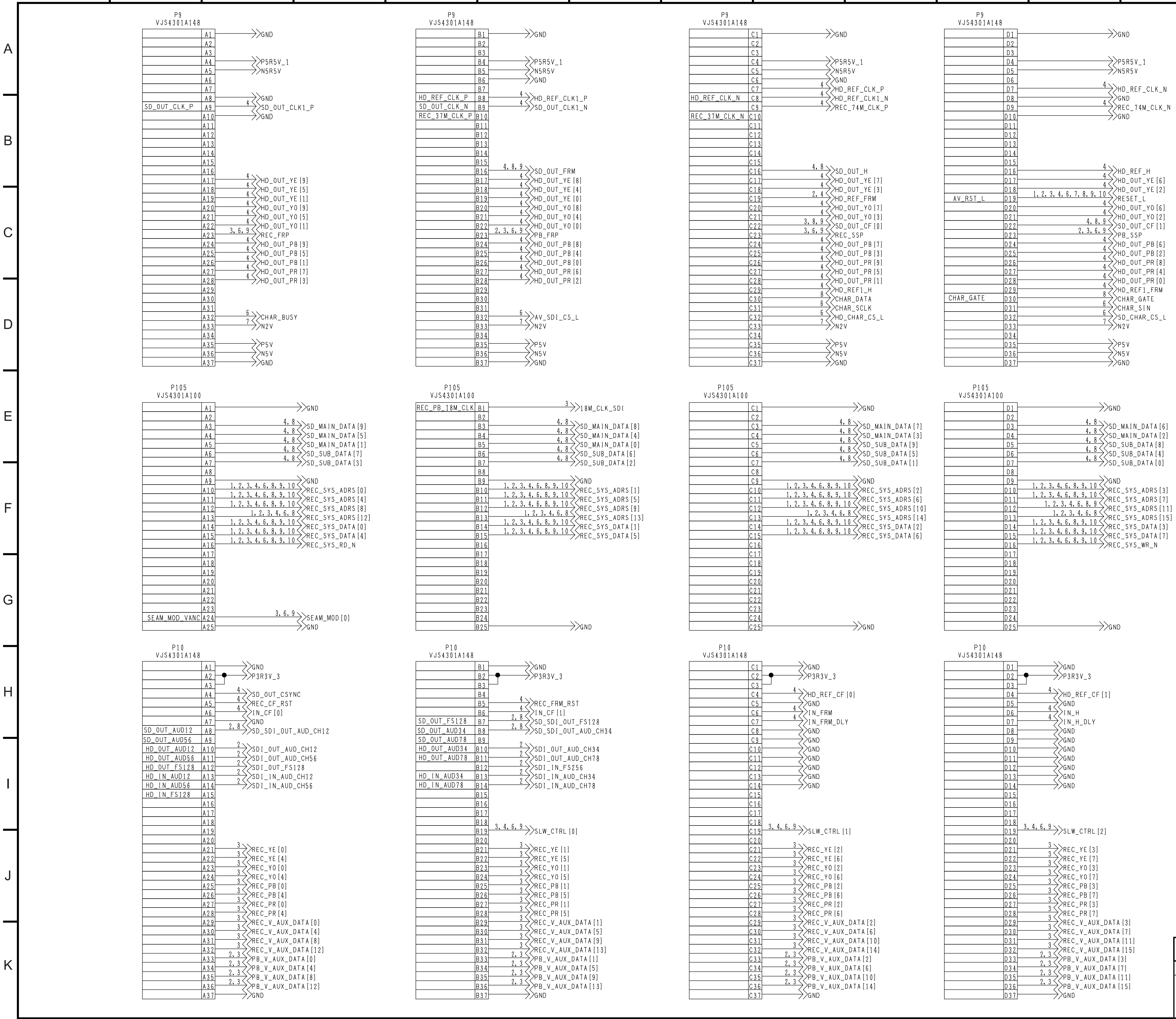
COMPONENT NAME	**MOTHER**		02/17
CIRCUIT BOARD NO.		DRAWING NO.	
VEP89134A		KR9G19-1 (2/17)	
		SCM159	


P5
VJS4301A148
A1 GND
A2 P12V
A3 N12V
A4
RP_PB_L_DATA[P] A5 11 EDA_DATA_RP_L_P
RP_PB_R_DATA[P] A6 12 EDA_DATA_RP_R_P
PB_PB_L_DATA[P] A7 11 EDA_DATA_PB_L_P
PB_PB_R_DATA[P] A8 12 EDA_DATA_PB_R_P
SLOW_PB_L_DATA[P] A9 11 EDA_DATA_SL_L_P
SLOW_PB_R_DATA[P] A10 12 EDA_DATA_SL_R_P
A11 2 REC_PB_27M_P
REC_L_DATA1[P] A12 11 EE_DATA1_L_P
FE_L_CTRL[0] A13 14, 17 FE_CTRL_L1
REC_L_CTRL[0] A14 11, 12 REC_CTRL_L1
A15 4 SD_REF_CLK_P
A16 2 REC_A_FRM
REC_CLK2[P] A17 12 EE_CLK2_P
A18 2, 6 A_FEND
A19 2 REC_AUD_CH12
A20 2 REC_AUD_CH56
A21 2 REC_PB_FS256
A22 2 PB_AUD_CH34
A23 2 PB_A_FRM_CH2
A24 2 PB_A_FRM_CH4
A25 2 PB_A_FRM_CH6
A26 2 PB_A_FRM_CH8
A27 5, 6, 9 SEAM_MOD[0]
A28 6 REC_A_LEAP
A29 2 PB_DV_FS
A30 9 SDTI_CH0[0]
A31 9 SDTI_CH1[0]
A32 9 SDTI_CH2[0]
A33 9 SDTI_CH3[0]
REC_L_DATA2[P] A34 12 EE_DATA2_L_P
A35 P5V
A36
A37 GND
P5
VJS4301A148
B1 GND
B2 P12V
B3 N12V
B4
RP_PB_L_DATA[N] B5 11 EDA_DATA_RP_L_N
RP_PB_R_DATA[N] B6 12 EDA_DATA_RP_R_N
PB_PB_L_DATA[N] B7 11 EDA_DATA_PB_L_N
PB_PB_R_DATA[N] B8 12 EDA_DATA_PB_R_N
SLOW_PB_L_DATA[N] B9 11 EDA_DATA_SL_L_N
SLOW_PB_R_DATA[N] B10 12 EDA_DATA_SL_R_N
B11 2 REC_PB_27M_N
REC_L_DATA1[N] B12 11 EE_DATA1_L_N
FE_L_CTRL[1] B13 14, 17 FE_CTRL_L2
REC_L_CTRL[1] B14 11, 12 REC_CTRL_L2
B15 4 SD_REF_CLK_N
B16
REC_CLK2[N] B17 12 EE_CLK2_N
B18 2 SW_FRM
B19 2 REC_AUD_CH34
B20 2 REC_AUD_CH78
B21 2 REC_PB_FS64
B22 2 PB_AUD_CH56
B23 2, 6 PB_A_FRM_CH3
B24 2 PB_A_FRM_CH5
B25 2 PB_A_FRM_CH7
B26 2 PB_A_LEAP
B27 6, 9 SEAM_MOD[1]
B28 5, 6, 9 REC_SSP
B29 2 PB_DV_FS64
B30 9 SDTI_CH0[1]
B31 9 SDTI_CH1[1]
B32 9 SDTI_CH2[1]
B33 9 SDTI_CH3[1]
REC_L_DATA2[N] B34 12 EE_DATA2_L_N
B35 P5V
B36
B37 GND
P5
VJS4301A148
C1 GND
C2 P12V
C3 N12V
C4
RP_PB_L_CLK[P] C5 11 EDA_CLK_RP_L_P
RP_PB_R_CLK[P] C6 12 EDA_CLK_RP_R_P
PB_PB_L_CLK[P] C7 11 EDA_CLK_PB_L_P
PB_PB_R_CLK[P] C8 12 EDA_CLK_PB_R_P
SLOW_PB_L_CLK[P] C9 11 EDA_CLK_SL_L_P
SLOW_PB_R_CLK[P] C10 12 EDA_CLK_SL_R_P
REC_CLK1[P] C11 11 EE_CLK1_P
REC_R_DATA1[P] C12 11 EE_DATA1_R_P
FE_R_CTRL[0] C13 14, 17 FE_CTRL_R1
REC_R_CTRL[0] C14 11, 12 REC_CTRL_R1
C15 4 REC_PB_CLK_P
C16 4 SW_CLK_P
C17 4 SW_H
C18 4 REC_PB_H
C19 2, 6 PWM0
C20 4 REC_PB_CF[0]
C21 2 REC_PB_FS
C22 2 PB_AUD_CH78
C23 5, 6, 9 REC_FRP
C24 2, 5, 6, 9 PB_FRP
C25 4 SD_REF_H
C26 6 100M_P
C27 6 PB_FRM27
C28 6, 9 SYS_FRP
C29 2 PB_DV_FS256
C30 9 SDTI_CH0[2]
C31 9 SDTI_CH1[2]
C32 9 SDTI_CH2[2]
C33 9 SDTI_CH3[2]
REC_R_DATA2[P] C34 12 EE_DATA2_R_P
C35 P5V
C36
C37 GND
P5
VJS4301A148
D1 GND
D2 P12V
D3 N12V
D4
RP_PB_L_CLK[N] D5 11 EDA_CLK_RP_L_N
RP_PB_R_CLK[N] D6 12 EDA_CLK_RP_R_N
PB_PB_L_CLK[N] D7 11 EDA_CLK_PB_L_N
PB_PB_R_CLK[N] D8 12 EDA_CLK_PB_R_N
SLOW_PB_L_CLK[N] D9 11 EDA_CLK_SL_L_N
SLOW_PB_R_CLK[N] D10 12 EDA_CLK_SL_R_N
REC_CLK1[N] D11 11 EE_CLK1_N
REC_R_DATA1[N] D12 11 EE_DATA1_R_N
FE_R_CTRL[1] D13 14, 17 FE_CTRL_R2
REC_R_CTRL[1] D14 11, 12 REC_CTRL_R2
D15 4:12B REC_PB_CLK_N
D16 4 SW_CLK_N
D17 4 PB_FRM
D18 4 REC_PB_FRM
D19 1, 2, 4, 5, 6, 7, 8, 9, 10 RESET_L
D20 4 REC_PB_CF[1]
D21 2 PB_AUD_CH12
D22 2, 6 PB_A_FRM_CH1
D23 4 SD_REF_CF[0]
D24 4 SD_REF_CF[1]
D25 2:5C:4:12C SD_REF_FRM
D26 6 SYS_CF[0]
D27 6 SYS_CF[1]
D28 2, 5, 6, 9 PB_SSP
D29 2 PB_AUD_FRM_NS
D30 9 SDTI_CH0[3]
D31 9 SDTI_CH1[3]
D32 9 SDTI_CH2[3]
D33 9 SDTI_CH3[3]
REC_R_DATA2[N] D34 12 EE_DATA2_R_N
D35 P5V
D36
D37 GND
P103
VJS4301A100
A1 2:7D 18M_CLK_APROC
A2
A3 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[1]
A4 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[5]
A5 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[9]
A6 1, 2, 4, 5, 6, 8 REC_SYS_ADRS[13]
A7 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[1]
A8 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[5]
A9 6, 9 REC_SYS_DATA[9]
A10 6, 9 REC_SYS_DATA[13]
A11 6 REC_ECC100_WR_L
A12 6 REC_SYS_STP[0]
A13 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_RD_N
A14 6, 9 PB_SYS_ADRS[2]
A15 6, 9 PB_SYS_ADRS[6]
A16 6, 9 PB_SYS_ADRS[10]
A17 6 PB_SYS_ADRS[14]
A18 6, 9 PB_SYS_DATA[2]
A19 6, 9 PB_SYS_DATA[6]
A20 6, 9 PB_SYS_DATA[10]
A21 6, 9 PB_SYS_DATA[14]
A22 2, 6 PB_SYS_SCK
A23 2, 6 PB_SYS_STP[1]
A24 2, 6 PB_SYS_W_N
A25 GND
P103
VJS4301A100
B1 5:7D 18M_CLK_SDI
B2
B3 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[2]
B4 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[6]
B5 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[10]
B6 1, 2, 4, 5, 6, 8 REC_SYS_ADRS[14]
B7 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[2]
B8 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[6]
B9 6, 9 REC_SYS_DATA[10]
B10 6, 9 REC_SYS_DATA[14]
B11 6 REC_SYS_SCK
B12 6 REC_SYS_STP[1]
B13 6 PB_ECC100_WR_L
B14 6, 9 PB_SYS_ADRS[3]
B15 6, 9 PB_SYS_ADRS[7]
B16 6, 9 PB_SYS_ADRS[11]
B17 6 PB_SYS_ADRS[15]
B18 6, 9 PB_SYS_DATA[3]
B19 6, 9 PB_SYS_DATA[7]
B20 6, 9 PB_SYS_DATA[11]
B21 6, 9 PB_SYS_DATA[15]
B22 2, 6 PB_SYS_SDA
B23 2, 6 PB_SYS_STP[2]
B24 6 P_RST_N
B25 GND
P103
VJS4301A100
C1 9 18M_CLK_SDTI
C2 6 REC_SYS_W_N
C3 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[3]
C4 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[7]
C5 1, 2, 4, 5, 6, 8, 9 REC_SYS_ADRS[11]
C6 1, 2, 4, 5, 6, 8 REC_SYS_ADRS[15]
C7 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[3]
C8 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[7]
C9 6, 9 REC_SYS_DATA[11]
C10 6, 9 REC_SYS_DATA[15]
C11 6 REC_SYS_SDA
C12 6 REC_SYS_STP[2]
C13 6, 9 PB_SYS_ADRS[0]
C14 6, 9 PB_SYS_ADRS[4]
C15 6, 9 PB_SYS_ADRS[8]
C16 6 PB_SYS_ADRS[12]
C17 6, 9 PB_SYS_DATA[0]
C18 6, 9 PB_SYS_DATA[4]
C19 6, 9 PB_SYS_DATA[8]
C20 6, 9 PB_SYS_DATA[12]
C21 2, 6 PB_SDA_DIR
C22 6, 9 PB_SYS_WR_N
C23 2, 6 PB_SYS_STP[3]
C24
C25 GND
P103
VJS4301A100
D1 6 18M_CLK_SYS
D2 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[0]
D3 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[4]
D4 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_ADRS[8]
D5 1, 2, 4, 5, 6, 8 REC_SYS_ADRS[12]
D6 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[0]
D7 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_DATA[4]
D8 6, 9 REC_SYS_DATA[8]
D9 6, 9 REC_SYS_DATA[12]
D10 6 REC_CS_N
D11 1, 2, 4, 5, 6, 8, 9, 10 REC_SYS_WR_N
D12 6 REC_SDA_DIR
D13 6, 9 PB_SYS_ADRS[1]
D14 6, 9 PB_SYS_ADRS[5]
D15 6, 9 PB_SYS_ADRS[9]
D16 6 PB_SYS_ADRS[13]
D17 6, 9 PB_SYS_DATA[1]
D18 6, 9 PB_SYS_DATA[5]
D19 6, 9 PB_SYS_DATA[9]
D20 6, 9 PB_SYS_DATA[13]
D21 6 PB_CS_N
D22 6 PB_SYS_STP[0]
D23 6, 9 PB_SYS_RD_N
D24
D25 GND
P6
VJS4301A148
A1 GND
A2 P3R3V_1
A3
A4 GND
A5 2, 6, 7, 10, 11, 14, 17 RP_L_HSW
A6 6, 7, 11, 14, 17 SLOW_L_HSW
A7 6, 7, 9 SLOW_H
A8 7 FPS[0]
A9 6, 7 TRP[2]
A10 7 TSR
A11 4 PB_YE[0]
A12 4 PB_YE[4]
A13 4 PB_YO[0]
A14 4 PB_YO[4]
A15 4 PB_PB[0]
A16 4 PB_PB[4]
A17 4 PB_PR[0]
A18 4 PB_PR[4]
A19
A20
A21 5 REC_YE[0]
A22 5 REC_YE[4]
A23 5 REC_YO[0]
A24 5 REC_YO[4]
A25 5 REC_PB[0]
A26 5 REC_PB[4]
A27 5 REC_PR[0]
A28 5 REC_PR[4]
A29 5 REC_V_AUX_DATA[0]
A30 5 REC_V_AUX_DATA[4]
A31 5 REC_V_AUX_DATA[8]
A32 5 REC_V_AUX_DATA[12]
A33 2, 5 PB_V_AUX_DATA[0]
A34 2, 5 PB_V_AUX_DATA[4]
A35 2, 5 PB_V_AUX_DATA[8]
A36 2, 5 PB_V_AUX_DATA[12]
A37 GND
P6
VJS4301A148
B1 GND
B2 P3R3V_1
B3
B4 GND
B5 7, 12, 14, 17 RP_R_HSW
B6 7, 12, 14, 17 SLOW_R_HSW
B7 7 SERVO_LOCK_H
B8 7 FPS[1]
B9 6, 7 TRP[3]
B10 2, 6, 7 TAPE_REV_H
B11 4 PB_YE[1]
B12 4 PB_YE[5]
B13 4 PB_YO[1]
B14 4 PB_YO[5]
B15 4 PB_PB[1]
B16 4 PB_PB[5]
B17 4 PB_PR[1]
B18 4 PB_PR[5]
B19 4, 5, 6, 9 SLW_CTRL[0]
B20
B21 5 REC_YE[1]
B22 5 REC_YE[5]
B23 5 REC_YO[1]
B24 5 REC_YO[5]
B25 5 REC_PB[1]
B26 5 REC_PB[5]
B27 5 REC_PR[1]
B28 5 REC_PR[5]
B29 5 REC_V_AUX_DATA[1]
B30 5 REC_V_AUX_DATA[5]
B31 5 REC_V_AUX_DATA[9]
B32 5 REC_V_AUX_DATA[13]
B33 2, 5 PB_V_AUX_DATA[1]
B34 2, 5 PB_V_AUX_DATA[5]
B35 2, 5 PB_V_AUX_DATA[9]
B36 2, 5 PB_V_AUX_DATA[13]
B37 GND
P6
VJS4301A148
C1 GND
C2 P3R3V_1
C3
C4 GND
C5 6, 7, 11, 14, 17 PB_L_HSW
C6 7 FLASH
C7 7 REC_HEAD_L
C8 6, 7 TRP[0]
C9 6, 7 TRP[4]
C10 SRV_TAPE_ON_P
C11 4 PB_YE[2]
C12 4 PB_YE[6]
C13 4 PB_YO[2]
C14 4 PB_YO[6]
C15 4 PB_PB[2]
C16 4 PB_PB[6]
C17 4 PB_PR[2]
C18 4 PB_PR[6]
C19 4, 5, 6, 9 SLW_CTRL[1]
C20 REC_FEND
C21 5 REC_YE[2]
C22 5 REC_YE[6]
C23 5 REC_YO[2]
C24 5 REC_YO[6]
C25 5 REC_PB[2]
C26 5 REC_PB[6]
C27 5 REC_PR[2]
C28 5 REC_PR[6]
C29 5 REC_V_AUX_DATA[2]
C30 5 REC_V_AUX_DATA[6]
C31 5 REC_V_AUX_DATA[10]
C32 5 REC_V_AUX_DATA[14]
C33 2, 5 PB_V_AUX_DATA[2]
C34 2, 5 PB_V_AUX_DATA[6]
C35 2, 5 PB_V_AUX_DATA[10]
C36 2, 5 PB_V_AUX_DATA[14]
C37 GND
P6
VJS4301A148
D1 GND
D2 P3R3V_1
D3
D4 GND
D5 7, 12, 14, 17 PB_R_HSW
D6 7 SEARCH_H
D7 6, 7, 9 PB_FEND
D8 6, 7 TRP[1]
D9 6, 7, 11 REC_SPA
D10 PB_FEND2
D11 4 PB_YE[3]
D12 4 PB_YE[7]
D13 4 PB_YO[3]
D14 4 PB_YO[7]
D15 4 PB_PB[3]
D16 4 PB_PB[7]
D17 4 PB_PR[3]
D18 4 PB_PR[7]
D19 4, 5, 6, 9 SLW_CTRL[2]
D20 REC_FEND2
D21 5 REC_YE[3]
D22 5 REC_YE[7]
D23 5 REC_YO[3]
D24 5 REC_YO[7]
D25 5 REC_PB[3]
D26 5 REC_PB[7]
D27 5 REC_PR[3]
D28 5 REC_PR[7]
D29 5 REC_V_AUX_DATA[3]
D30 5 REC_V_AUX_DATA[7]
D31 5 REC_V_AUX_DATA[11]
D32 5 REC_V_AUX_DATA[15]
D33 2, 5 PB_V_AUX_DATA[3]
D34 2, 5 PB_V_AUX_DATA[7]
D35 2, 5 PB_V_AUX_DATA[11]
D36 2, 5 PB_V_AUX_DATA[15]
D37 GND

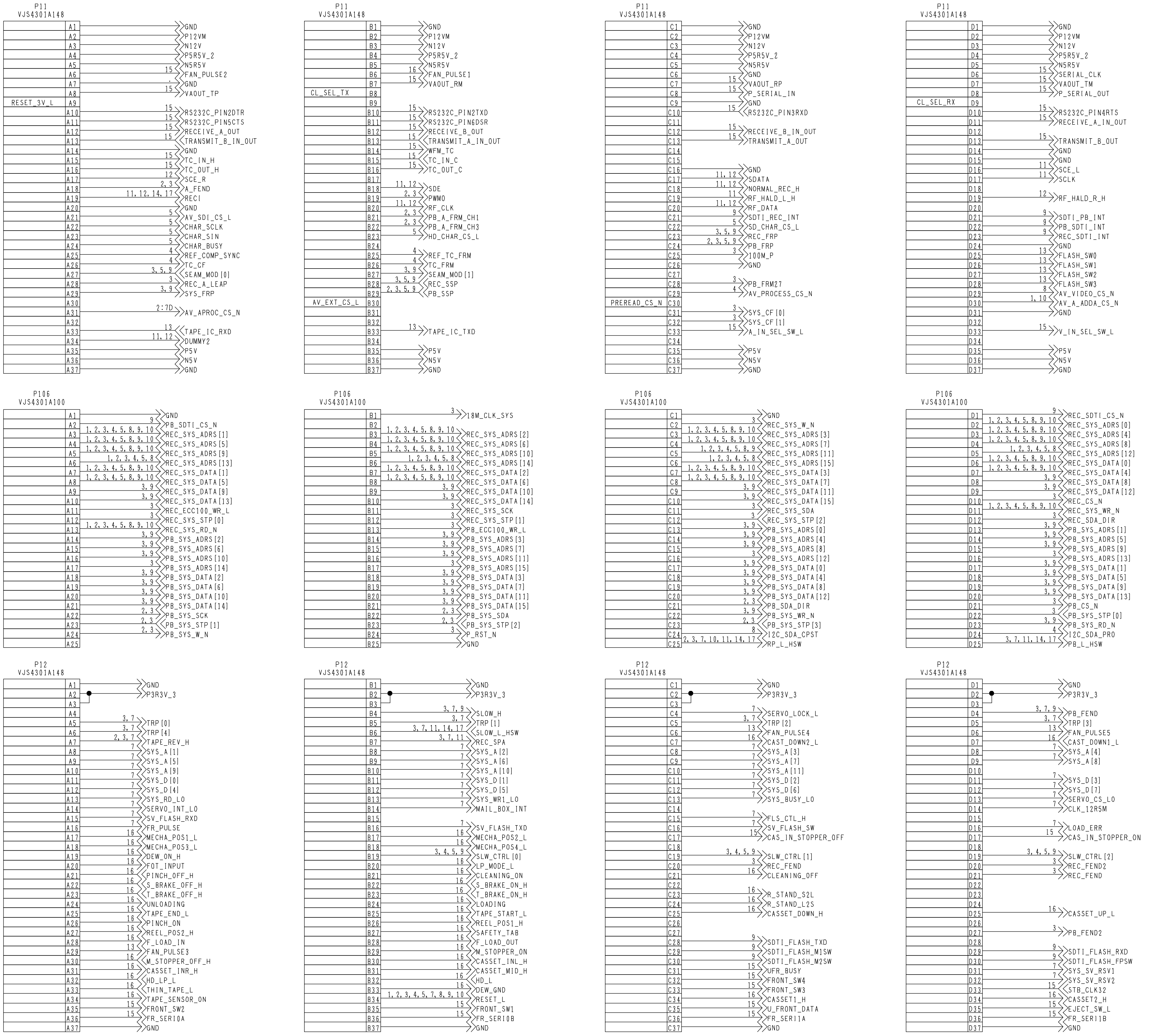
COMPONENT NAME	MOTHER	03/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (3/17)	
	SCM160	


P7
VJS4301A148
GND
P12V
N12V
P5R5V_2
N5R5V
HD_EXT_REF
SD_EXT_REF
HD_OUT_CLK_P
HD_REF_CLK1_P
REF_AUD_27M_P
SD_REF_CLK_P
SW_CLK_P
SD_OUT_CLK3_P
SD_OUT_H
HD_OUT_YE[7]
HD_OUT_YE[3]
PB_FRM
REC_PB_FRM
HD_OUT_YO[9]
HD_OUT_YO[5]
HD_OUT_YO[1]
SD_REF_CF[0]
FILM_REF
HD_OUT_PB[7]
HD_OUT_PB[3]
HD_OUT_PR[9]
HD_OUT_PR[5]
HD_OUT_PR[1]
UNMATCH_L
EXT_CPSTOUT[1]
SDTI_IN_CF[0]
P5V
HD_OUT_CLK_N
HD_REF_CLK1_N
REF_AUD_27M_N
SD_REF_CLK_N
SW_CLK_N
SD_OUT_CLK3_N
HD_OUT_H
HD_REF_H
HD_OUT_YE[6]
HD_OUT_YE[2]
HD_OUT_FRM
HD_REF_FRM
REC_PB_CF[0]
HD_OUT_YO[8]
HD_OUT_YO[4]
HD_OUT_YO[0]
SD_REF_CF[1]
HD_OUT_PB[6]
HD_OUT_PB[2]
HD_OUT_PR[8]
HD_OUT_PR[4]
HD_OUT_PR[0]
EXT_CPSTOUT[0]
EXT_CPSTOUT[2]
HD_OUT_CLK2_P
HD_REF_CLK_P
REC_PB_CLK_P
SD_OUT_CLK2_P
SD_OUT_CLK1_P
SDTI_CLK_P
SDTI_IN_CLK_P
IN_CLK_P
REC_74M_CLK_P
HD_OUT_YE[9]
HD_OUT_YE[5]
HD_OUT_YE[1]
SW_H
REC_PB_CF[1]
HD_OUT_YO[7]
HD_OUT_YO[3]
SD_OUT_CF[0]
SD_REF_H
HD_OUT_PB[9]
HD_OUT_PB[5]
HD_OUT_PB[1]
HD_OUT_PR[7]
HD_OUT_PR[3]
HD_REF_H
HD_REF1_H
HD_REF_CF_0
HD_REF_CLK_P
SDTI_IN_FRM
HD_REF_OUT
SD_REF_OUT
HD_OUT_CLK2_N
HD_REF_CLK_N
REC_PB_CLK_N
SD_OUT_CLK2_N
SD_OUT_CLK1_N
SDTI_CLK_N
SDTI_IN_CLK_N
IN_CLK_N
REC_74M_CLK_N
SD_OUT_FRM
HD_OUT_YE[8]
HD_OUT_YE[4]
HD_OUT_YE[0]
REC_PB_H
RESET_L
HD_OUT_YO[6]
HD_OUT_YO[2]
SD_OUT_CF[1]
SD_REF_FRM
HD_OUT_PB[8]
HD_OUT_PB[4]
HD_OUT_PB[0]
HD_OUT_PR[6]
HD_OUT_PR[2]
HD_REF_FRM
HD_REF1_FRM
HD_REF_CF_1
HD_REF_CLK_N
SDTI_IN_H
P104
VJS4301A100
TC_CF
SD_MAIN_DATA[9]
SD_MAIN_DATA[5]
SD_MAIN_DATA[1]
SD_SUB_DATA[7]
SD_SUB_DATA[3]
REC_SYS_ADRS[0]
REC_SYS_ADRS[4]
REC_SYS_ADRS[8]
REC_SYS_ADRS[12]
REC_SYS_DATA[0]
REC_SYS_DATA[4]
REC_SYS_RD_N
REF_COMP_SYNC
TC_FRM
SD_MAIN_DATA[8]
SD_MAIN_DATA[4]
SD_MAIN_DATA[0]
SD_SUB_DATA[6]
SD_SUB_DATA[2]
REC_SYS_ADRS[1]
REC_SYS_ADRS[5]
REC_SYS_ADRS[9]
REC_SYS_ADRS[13]
REC_SYS_DATA[1]
REC_SYS_DATA[5]
AV_PROCESS_CS_N
SD_MAIN_DATA[7]
SD_MAIN_DATA[3]
SD_SUB_DATA[9]
SD_SUB_DATA[5]
SD_SUB_DATA[1]
REC_SYS_ADRS[2]
REC_SYS_ADRS[6]
REC_SYS_ADRS[10]
REC_SYS_ADRS[14]
REC_SYS_DATA[2]
REC_SYS_DATA[6]
V_DATA_FRP
REF_TC_FRM
SD_MAIN_DATA[6]
SD_MAIN_DATA[2]
SD_SUB_DATA[8]
SD_SUB_DATA[4]
SD_SUB_DATA[0]
REC_SYS_ADRS[3]
REC_SYS_ADRS[7]
REC_SYS_ADRS[11]
REC_SYS_ADRS[15]
REC_SYS_DATA[3]
REC_SYS_DATA[7]
REC_SYS_WR_N
I2C_SDA_PRO
P8
VJS4301A148
P3R3V_2
SD_OUT_CSYNC
REC_CF_RST
IN_CF
IN_CF[0]
PB_YE[0]
PB_YE[4]
Pb_YE[8]
PB_YO[2]
PB_YO[6]
PB_PB[0]
PB_PB[4]
Pb_Pb[8]
PB_PR[2]
PB_PR[6]
CF_DET_GATE
REC_FRM_RST
IN_CF_DLY
IN_CF[1]
PB_YE[1]
PB_YE[5]
Pb_YE[9]
PB_YO[3]
PB_YO[7]
PB_PB[1]
PB_PB[5]
Pb_Pb[9]
PB_PR[3]
PB_PR[7]
SLW_CTRL[0]
HD_REF_CF[0]
IN_FRM
IN_FRM_DLY
PB_YE[2]
PB_YE[6]
PB_YO[0]
PB_YO[4]
Pb_YO[8]
PB_PB[2]
PB_PB[6]
PB_PR[0]
PB_PR[4]
Pb_Pr[8]
SLW_CTRL[1]
HD_REF_CF[1]
IN_H
IN_H_DLY
PB_YE[3]
PB_YE[7]
PB_YO[1]
PB_YO[5]
Pb_YO[9]
PB_PB[3]
PB_PB[7]
PB_PR[1]
PB_PR[5]
Pb_Pr[9]
SLW_CTRL[2]

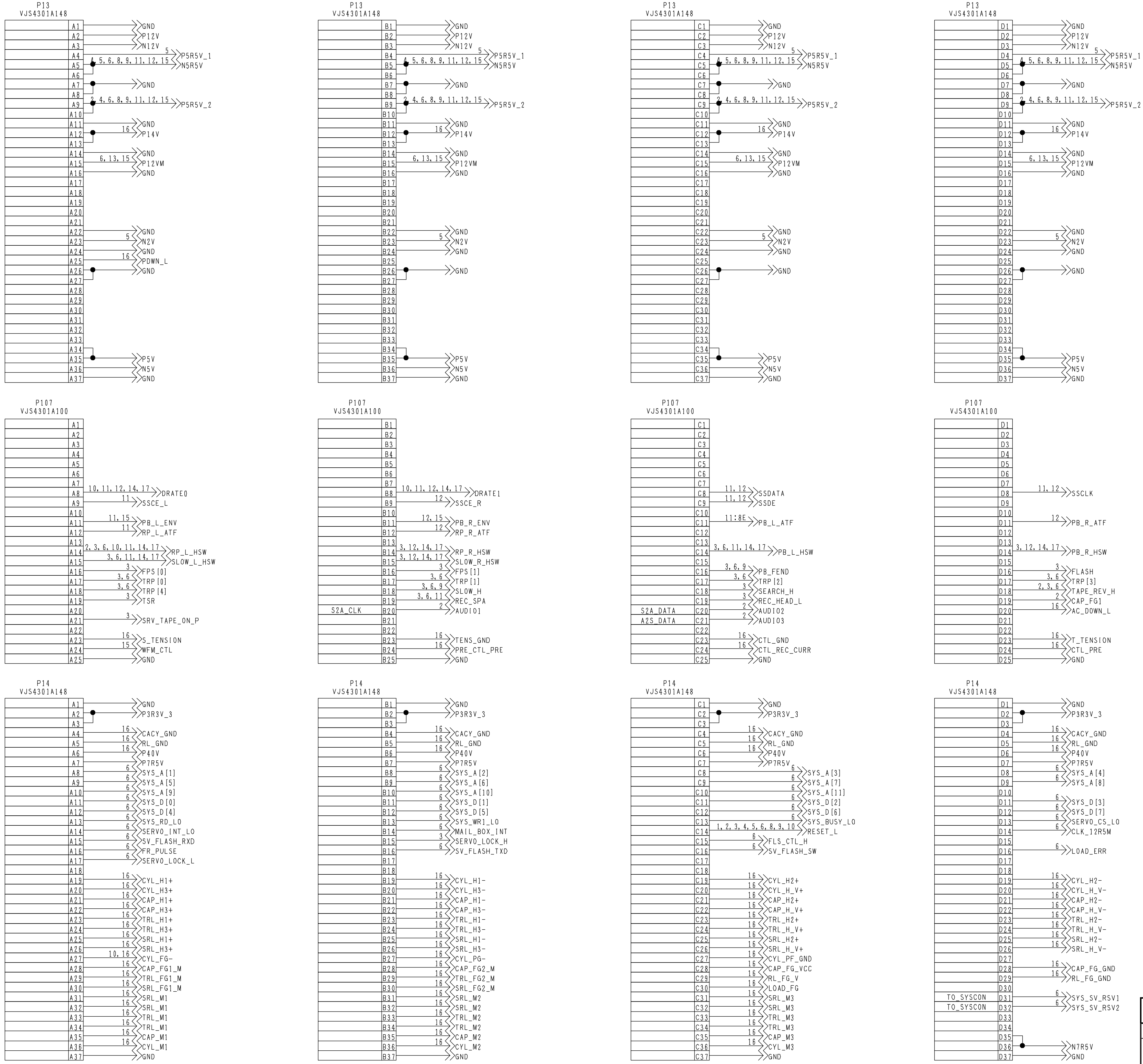
COMPONENT NAME	MOTHER	04/17
CIRCUIT BOARD NO.		DRAWING NO.
VEP89134A		KR9G19-1 (4/17)
		SCM161


P9
VJS4301A148
A1 GND
A4 P5R5V_1
A5 N5R5V
A8 GND
SD_OUT_CLK_P A9 4 SD_OUT_CLK1_P
A10 GND
A17 4 HD_OUT_YE[9]
A18 4 HD_OUT_YE[5]
A19 4 HD_OUT_YE[1]
A20 4 HD_OUT_YO[9]
A21 4 HD_OUT_YO[5]
A22 4 HD_OUT_YO[1]
A23 3, 6, 9 REC_FRP
A24 4 HD_OUT_PB[9]
A25 4 HD_OUT_PB[5]
A26 4 HD_OUT_PB[1]
A27 4 HD_OUT_PR[7]
A28 4 HD_OUT_PR[3]
A32 6 CHAR_BUSY
A33 7 N2V
A35 P5V
A36 N5V
A37 GND
P9
VJS4301A148
B1 GND
B4 P5R5V_1
B5 N5R5V
B6 GND
HD_REF_CLK_P B8 4 HD_REF_CLK1_P
SD_OUT_CLK_N B9 4 SD_OUT_CLK1_N
REC_37M_CLK_P B10
B16 4, 8, 9 SD_OUT_FRM
B17 4 HD_OUT_YE[8]
B18 4 HD_OUT_YE[4]
B19 4 HD_OUT_YE[0]
B20 4 HD_OUT_YO[8]
B21 4 HD_OUT_YO[4]
B22 4 HD_OUT_YO[0]
B23 2, 3, 6, 9 PB_FRP
B24 4 HD_OUT_PB[8]
B25 4 HD_OUT_PB[4]
B26 4 HD_OUT_PB[0]
B27 4 HD_OUT_PR[6]
B28 4 HD_OUT_PR[2]
B32 6 AV_SDI_CS_L
B33 7 N2V
B35 P5V
B36 N5V
B37 GND
P9
VJS4301A148
C1 GND
C4 P5R5V_1
C5 N5R5V
C6 GND
C7 4 HD_REF_CLK_P
HD_REF_CLK_N C8 4 HD_REF_CLK1_N
C9 4 REC_74M_CLK_P
REC_37M_CLK_N C10
C16 4, 8 SD_OUT_H
C17 4 HD_OUT_YE[7]
C18 4 HD_OUT_YE[3]
C19 2, 4 HD_REF_FRM
C20 4 HD_OUT_YO[7]
C21 4 HD_OUT_YO[3]
C22 3, 8, 9 SD_OUT_CF[0]
C23 3, 6, 9 REC_SSP
C24 4 HD_OUT_PB[7]
C25 4 HD_OUT_PB[3]
C26 4 HD_OUT_PR[9]
C27 4 HD_OUT_PR[5]
C28 4 HD_OUT_PR[1]
C29 4 HD_REF1_H
C30 8 CHAR_DATA
C31 6 CHAR_SCLK
C32 6 HD_CHAR_CS_L
C33 7 N2V
C35 P5V
C36 N5V
C37 GND
P9
VJS4301A148
D1 GND
D4 P5R5V_1
D5 N5R5V
D7 4 HD_REF_CLK_N
D8 4 GND
D9 4 REC_74M_CLK_N
D10 GND
D16 4 HD_REF_H
D17 4 HD_OUT_YE[6]
D18 4 HD_OUT_YE[2]
AV_RST_L D19 1, 2, 3, 4, 6, 7, 8, 9, 10 RESET_L
D20 4 HD_OUT_YO[6]
D21 4 HD_OUT_YO[2]
D22 4, 8, 9 SD_OUT_CF[1]
D23 2, 3, 6, 9 PB_SSP
D24 4 HD_OUT_PB[6]
D25 4 HD_OUT_PB[2]
D26 4 HD_OUT_PR[8]
D27 4 HD_OUT_PR[4]
D28 4 HD_OUT_PR[0]
D29 4 HD_REF1_FRM
CHAR_GATE D30 8 CHAR_GATE
D31 6 CHAR_SIN
D32 6 SD_CHAR_CS_L
D33 7 N2V
D35 P5V
D36 N5V
D37 GND
P105
VJS4301A100
A1 GND
A3 4, 8 SD_MAIN_DATA[9]
A4 4, 8 SD_MAIN_DATA[5]
A5 4, 8 SD_MAIN_DATA[1]
A6 4, 8 SD_SUB_DATA[7]
A7 4, 8 SD_SUB_DATA[3]
A9 GND
A10 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[0]
A11 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[4]
A12 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[8]
A13 1, 2, 3, 4, 6, 8 REC_SYS_ADRS[12]
A14 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[0]
A15 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[4]
A16 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_RD_N
SEAM_MOD_VANC A24 3, 6, 9 SEAM_MOD[0]
A25 GND
P105
VJS4301A100
REC_PB_18M_CLK B1 3 18M_CLK_SDI
B3 4, 8 SD_MAIN_DATA[8]
B4 4, 8 SD_MAIN_DATA[4]
B5 4, 8 SD_MAIN_DATA[0]
B6 4, 8 SD_SUB_DATA[6]
B7 4, 8 SD_SUB_DATA[2]
B9 GND
B10 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[1]
B11 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[5]
B12 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[9]
B13 1, 2, 3, 4, 6, 8 REC_SYS_ADRS[13]
B14 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[1]
B15 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[5]
B25 GND
P105
VJS4301A100
C1 GND
C3 4, 8 SD_MAIN_DATA[7]
C4 4, 8 SD_MAIN_DATA[3]
C5 4, 8 SD_SUB_DATA[9]
C6 4, 8 SD_SUB_DATA[5]
C7 4, 8 SD_SUB_DATA[1]
C9 GND
C10 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[2]
C11 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[6]
C12 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[10]
C13 1, 2, 3, 4, 6, 8 REC_SYS_ADRS[14]
C14 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[2]
C15 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[6]
C25 GND
P105
VJS4301A100
D1 GND
D3 4, 8 SD_MAIN_DATA[6]
D4 4, 8 SD_MAIN_DATA[2]
D5 4, 8 SD_SUB_DATA[8]
D6 4, 8 SD_SUB_DATA[4]
D7 4, 8 SD_SUB_DATA[0]
D9 GND
D10 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[3]
D11 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_ADRS[7]
D12 1, 2, 3, 4, 6, 8, 9 REC_SYS_ADRS[11]
D13 1, 2, 3, 4, 6, 8 REC_SYS_ADRS[15]
D14 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[3]
D15 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_DATA[7]
D16 1, 2, 3, 4, 6, 8, 9, 10 REC_SYS_WR_N
D25 GND
P10
VJS4301A148
A1 GND
A2 P3R3V_3
A4 4 SD_OUT_CSYNC
A5 4 REC_CF_RST
A6 4 IN_CF[0]
A7 GND
SD_OUT_AUD12 A8 2, 8 SD_SDI_OUT_AUD_CH12
SD_OUT_AUD56 A9
HD_OUT_AUD12 A10 2 SDI_OUT_AUD_CH12
HD_OUT_AUD56 A11 2 SDI_OUT_AUD_CH56
HD_OUT_FS128 A12 2 SDI_OUT_FS128
HD_IN_AUD12 A13 2 SDI_IN_AUD_CH12
HD_IN_AUD56 A14 2 SDI_IN_AUD_CH56
HD_IN_FS128 A15
A21 3 REC_YE[0]
A22 3 REC_YE[4]
A23 3 REC_YO[0]
A24 3 REC_YO[4]
A25 3 REC_PB[0]
A26 3 REC_PB[4]
A27 3 REC_PR[0]
A28 3 REC_PR[4]
A29 3 REC_V_AUX_DATA[0]
A30 3 REC_V_AUX_DATA[4]
A31 3 REC_V_AUX_DATA[8]
A32 3 REC_V_AUX_DATA[12]
A33 2, 3 PB_V_AUX_DATA[0]
A34 2, 3 PB_V_AUX_DATA[4]
A35 2, 3 PB_V_AUX_DATA[8]
A36 2, 3 PB_V_AUX_DATA[12]
A37 GND
P10
VJS4301A148
B1 GND
B2 P3R3V_3
B5 4 REC_FRM_RST
B6 4 IN_CF[1]
SD_OUT_FS128 B7 2, 8 SD_SDI_OUT_FS128
SD_OUT_AUD34 B8 2, 8 SD_SDI_OUT_AUD_CH34
SD_OUT_AUD78 B9
HD_OUT_AUD34 B10 2 SDI_OUT_AUD_CH34
HD_OUT_AUD78 B11 2 SDI_OUT_AUD_CH78
B12 2 SDI_IN_FS256
HD_IN_AUD34 B13 2 SDI_IN_AUD_CH34
HD_IN_AUD78 B14 2 SDI_IN_AUD_CH78
B19 3, 4, 6, 9 SLW_CTRL[0]
B21 3 REC_YE[1]
B22 3 REC_YE[5]
B23 3 REC_YO[1]
B24 3 REC_YO[5]
B25 3 REC_PB[1]
B26 3 REC_PB[5]
B27 3 REC_PR[1]
B28 3 REC_PR[5]
B29 3 REC_V_AUX_DATA[1]
B30 3 REC_V_AUX_DATA[5]
B31 3 REC_V_AUX_DATA[9]
B32 3 REC_V_AUX_DATA[13]
B33 2, 3 PB_V_AUX_DATA[1]
B34 2, 3 PB_V_AUX_DATA[5]
B35 2, 3 PB_V_AUX_DATA[9]
B36 2, 3 PB_V_AUX_DATA[13]
B37 GND
P10
VJS4301A148
C1 GND
C2 P3R3V_3
C4 4 HD_REF_CF[0]
C5 GND
C6 4 IN_FRM
C7 4 IN_FRM_DLY
C8 GND
C9 GND
C10 GND
C11 GND
C12 GND
C13 GND
C14 GND
C19 3, 4, 6, 9 SLW_CTRL[1]
C21 3 REC_YE[2]
C22 3 REC_YE[6]
C23 3 REC_YO[2]
C24 3 REC_YO[6]
C25 3 REC_PB[2]
C26 3 REC_PB[6]
C27 3 REC_PR[2]
C28 3 REC_PR[6]
C29 3 REC_V_AUX_DATA[2]
C30 3 REC_V_AUX_DATA[6]
C31 3 REC_V_AUX_DATA[10]
C32 3 REC_V_AUX_DATA[14]
C33 2, 3 PB_V_AUX_DATA[2]
C34 2, 3 PB_V_AUX_DATA[6]
C35 2, 3 PB_V_AUX_DATA[10]
C36 2, 3 PB_V_AUX_DATA[14]
C37 GND
P10
VJS4301A148
D1 GND
D2 P3R3V_3
D4 4 HD_REF_CF[1]
D5 GND
D6 4 IN_H
D7 4 IN_H_DLY
D8 GND
D9 GND
D10 GND
D11 GND
D12 GND
D13 GND
D14 GND
D19 3, 4, 6, 9 SLW_CTRL[2]
D21 3 REC_YE[3]
D22 3 REC_YE[7]
D23 3 REC_YO[3]
D24 3 REC_YO[7]
D25 3 REC_PB[3]
D26 3 REC_PB[7]
D27 3 REC_PR[3]
D28 3 REC_PR[7]
D29 3 REC_V_AUX_DATA[3]
D30 3 REC_V_AUX_DATA[7]
D31 3 REC_V_AUX_DATA[11]
D32 3 REC_V_AUX_DATA[15]
D33 2, 3 PB_V_AUX_DATA[3]
D34 2, 3 PB_V_AUX_DATA[7]
D35 2, 3 PB_V_AUX_DATA[11]
D36 2, 3 PB_V_AUX_DATA[15]
D37 GND

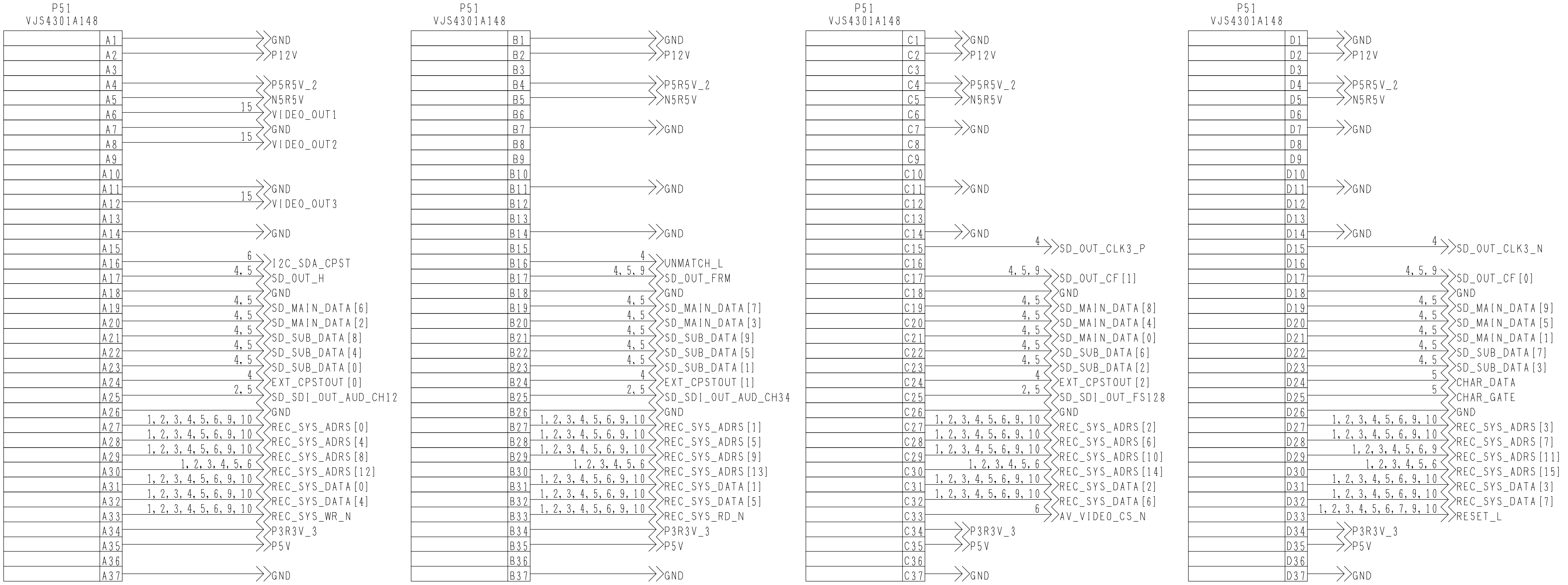
COMPONENT NAME	MOTHER	05/17
CIRCUIT BOARD NO.		DRAWING NO.
VEP89134A		KR9G19-1 (5/17)
		SCM162


P11 VJS4301A148
A1 GND
A2 P12VM
A3 N12V
A4 P5R5V_2
A5 N5R5V
A6 FAN_PULSE2
A7 GND
A8 VAOUT_TP
A9 RESET_3V_L
A10 RS232C_PIN2DTR
A11 RS232C_PIN5CTS
A12 RECEIVE_A_OUT
A13 TRANSMIT_B_IN_OUT
A14 GND
A15 TC_IN_H
A16 TC_OUT_H
A17 SCE_R
A18 A_FEND
A19 RECI
A20 GND
A21 AV_SDI_CS_L
A22 CHAR_SCLK
A23 CHAR_SIN
A24 CHAR_BUSY
A25 REF_COMP_SYNC
A26 TC_CF
A27 SEAM_MOD[0]
A28 REC_A_LEAP
A29 SYS_FRP
A31 AV_APROC_CS_N
A33 TAPE_IC_RXD
A34 DUMMY2
A35 P5V
A36 N5V
A37 GND
B1 GND
B2 P12VM
B3 N12V
B4 P5R5V_2
B5 N5R5V
B6 FAN_PULSE1
B7 VAOUT_RM
B8 CL_SEL_TX
B10 RS232C_PIN2TXD
B11 RS232C_PIN6DSR
B12 RECEIVE_B_OUT
B13 TRANSMIT_A_IN_OUT
B14 WFM_TC
B15 TC_IN_C
B16 TC_OUT_C
B18 SDE
B19 PWMO
B20 RF_CLK
B21 PB_A_FRM_CH1
B22 PB_A_FRM_CH3
B23 HD_CHAR_CS_L
B25 REF_TC_FRM
B26 TC_FRM
B27 SEAM_MOD[1]
B28 REC_SSP
B29 PB_SSP
B30 AV_EXT_CS_L
B33 TAPE_IC_TXD
B35 P5V
B36 N5V
B37 GND
C1 GND
C2 P12VM
C3 N12V
C4 P5R5V_2
C5 N5R5V
C6 GND
C7 VAOUT_RP
C8 P_SERIAL_IN
C9 GND
C10 RS232C_PIN3RXD
C12 RECEIVE_B_IN_OUT
C13 TRANSMIT_A_OUT
C16 GND
C17 SDATA
C18 NORMAL_REC_H
C19 RF_HALD_L_H
C20 RF_DATA
C21 SDTI_REC_INT
C22 SD_CHAR_CS_L
C23 REC_FRP
C24 PB_FRP
C25 100M_P
C26 GND
C28 PB_FRM27
C29 AV_PROCESS_CS_N
C30 PREREAD_CS_N
C31 SYS_CF[0]
C32 SYS_CF[1]
C33 A_IN_SEL_SW_L
C35 P5V
C36 N5V
C37 GND
D1 GND
D2 P12VM
D3 N12V
D4 P5R5V_2
D5 N5R5V
D6 SERIAL_CLK
D7 VAOUT_TM
D8 P_SERIAL_OUT
D9 CL_SEL_RX
D10 RS232C_PIN4RTS
D11 RECEIVE_A_IN_OUT
D13 TRANSMIT_B_OUT
D14 GND
D15 GND
D16 SCE_L
D17 SCLK
D19 RF_HALD_R_H
D21 SDTI_PB_INT
D22 PB_SDTI_INT
D23 REC_SDTI_INT
D24 GND
D25 FLASH_SW0
D26 FLASH_SW1
D27 FLASH_SW2
D28 FLASH_SW3
D29 AV_VIDEO_CS_N
D30 AV_A_ADDA_CS_N
D31 GND
D33 V_IN_SEL_SW_L
D35 P5V
D36 N5V
D37 GND
P106 VJS4301A100
A1 GND
A2 PB_SDTI_CS_N
A3 REC_SYS_ADRS[1]
A4 REC_SYS_ADRS[5]
A5 REC_SYS_ADRS[9]
A6 REC_SYS_ADRS[13]
A7 REC_SYS_DATA[1]
A8 REC_SYS_DATA[5]
A9 REC_SYS_DATA[9]
A10 REC_SYS_DATA[13]
A11 REC_ECC100_WR_L
A12 REC_SYS_STP[0]
A13 REC_SYS_RD_N
A14 PB_SYS_ADRS[2]
A15 PB_SYS_ADRS[6]
A16 PB_SYS_ADRS[10]
A17 PB_SYS_ADRS[14]
A18 PB_SYS_DATA[2]
A19 PB_SYS_DATA[6]
A20 PB_SYS_DATA[10]
A21 PB_SYS_DATA[14]
A22 PB_SYS_SCK
A23 PB_SYS_STP[1]
A24 PB_SYS_W_N
B1 18M_CLK_SYS
B2 REC_SYS_ADRS[2]
B3 REC_SYS_ADRS[6]
B4 REC_SYS_ADRS[10]
B5 REC_SYS_ADRS[14]
B6 REC_SYS_DATA[2]
B7 REC_SYS_DATA[6]
B8 REC_SYS_DATA[10]
B9 REC_SYS_DATA[14]
B10 REC_SYS_SCK
B11 REC_SYS_STP[1]
B12 PB_ECC100_WR_L
B13 PB_SYS_ADRS[3]
B14 PB_SYS_ADRS[7]
B15 PB_SYS_ADRS[11]
B16 PB_SYS_ADRS[15]
B17 PB_SYS_DATA[3]
B18 PB_SYS_DATA[7]
B19 PB_SYS_DATA[11]
B20 PB_SYS_DATA[15]
B21 PB_SYS_SDA
B22 PB_SYS_STP[2]
B23 P_RST_N
B24 GND
C1 GND
C2 REC_SYS_W_N
C3 REC_SYS_ADRS[3]
C4 REC_SYS_ADRS[7]
C5 REC_SYS_ADRS[11]
C6 REC_SYS_ADRS[15]
C7 REC_SYS_DATA[3]
C8 REC_SYS_DATA[7]
C9 REC_SYS_DATA[11]
C10 REC_SYS_DATA[15]
C11 REC_SYS_SDA
C12 REC_SYS_STP[2]
C13 PB_SYS_ADRS[0]
C14 PB_SYS_ADRS[4]
C15 PB_SYS_ADRS[8]
C16 PB_SYS_ADRS[12]
C17 PB_SYS_DATA[0]
C18 PB_SYS_DATA[4]
C19 PB_SYS_DATA[8]
C20 PB_SYS_DATA[12]
C21 PB_SDA_DIR
C22 PB_SYS_WR_N
C23 PB_SYS_STP[3]
C24 I2C_SDA_CPST
C25 RP_L_HSW
D1 REC_SDTI_CS_N
D2 REC_SYS_ADRS[0]
D3 REC_SYS_ADRS[4]
D4 REC_SYS_ADRS[8]
D5 REC_SYS_ADRS[12]
D6 REC_SYS_DATA[0]
D7 REC_SYS_DATA[4]
D8 REC_SYS_DATA[8]
D9 REC_SYS_DATA[12]
D10 REC_CS_N
D11 REC_SYS_WR_N
D12 REC_SDA_DIR
D13 PB_SYS_ADRS[1]
D14 PB_SYS_ADRS[5]
D15 PB_SYS_ADRS[9]
D16 PB_SYS_ADRS[13]
D17 PB_SYS_DATA[1]
D18 PB_SYS_DATA[5]
D19 PB_SYS_DATA[9]
D20 PB_SYS_DATA[13]
D21 PB_CS_N
D22 PB_SYS_STP[0]
D23 PB_SYS_RD_N
D24 I2C_SDA_PRO
D25 PB_L_HSW
P12 VJS4301A148
A1 GND
A2 P3R3V_3
A5 TRP[0]
A6 TRP[4]
A7 TAPE_REV_H
A8 SYS_A[1]
A9 SYS_A[5]
A10 SYS_A[9]
A11 SYS_D[0]
A12 SYS_D[4]
A13 SYS_RD_LO
A14 SERVO_INT_LO
A15 SV_FLASH_RXD
A16 FR_PULSE
A17 MECHA_POS1_L
A18 MECHA_POS3_L
A19 DEW_ON_H
A20 FOT_INPUT
A21 PINCH_OFF_H
A22 S_BRAKE_OFF_H
A23 T_BRAKE_OFF_H
A24 UNLOADING
A25 TAPE_END_L
A26 PINCH_ON
A27 REEL_POS2_H
A28 F_LOAD_IN
A29 FAN_PULSE3
A30 M_STOPPER_OFF_H
A31 CASSET_INR_H
A32 HD_LP_L
A33 THIN_TAPE_L
A34 TAPE_SENSOR_ON
A35 FRONT_SW2
A36 FR_SERI0A
A37 GND
B1 GND
B2 P3R3V_3
B4 SLOW_H
B5 TRP[1]
B6 SLOW_L_HSW
B7 REC_SPA
B8 SYS_A[2]
B9 SYS_A[6]
B10 SYS_A[10]
B11 SYS_D[1]
B12 SYS_D[5]
B13 SYS_WR1_LO
B14 MAIL_BOX_INT
B16 SV_FLASH_TXD
B17 MECHA_POS2_L
B18 MECHA_POS4_L
B19 SLW_CTRL[0]
B20 LP_MODE_L
B21 CLEANING_ON
B22 S_BRAKE_ON_H
B23 T_BRAKE_ON_H
B24 LOADING
B25 TAPE_START_L
B26 REEL_POS1_H
B27 SAFETY_TAB
B28 F_LOAD_OUT
B29 M_STOPPER_ON
B30 CASSET_INL_H
B31 CASSET_MID_H
B32 HD_L
B33 DEW_GND
B34 RESET_L
B35 FRONT_SW1
B36 FR_SERI0B
B37 GND
C1 GND
C2 P3R3V_3
C4 SERVO_LOCK_L
C5 TRP[2]
C6 FAN_PULSE4
C7 CAST_DOWN2_L
C8 SYS_A[3]
C9 SYS_A[7]
C10 SYS_A[11]
C11 SYS_D[2]
C12 SYS_D[6]
C13 SYS_BUSY_LO
C15 FLS_CTL_H
C16 SV_FLASH_SW
C17 CAS_IN_STOPPER_OFF
C19 SLW_CTRL[1]
C20 REC_FEND
C21 CLEANING_OFF
C23 R_STAND_S2L
C24 R_STAND_L2S
C25 CASSET_DOWN_H
C28 SDTI_FLASH_TXD
C29 SDTI_FLASH_M1SW
C30 SDTI_FLASH_M2SW
C31 UFR_BUSY
C32 FRONT_SW4
C33 FRONT_SW3
C34 CASSET1_H
C35 U_FRONT_DATA
C36 FR_SERI1A
C37 GND
D1 GND
D2 P3R3V_3
D4 PB_FEND
D5 TRP[3]
D6 FAN_PULSE5
D7 CAST_DOWN1_L
D8 SYS_A[4]
D9 SYS_A[8]
D11 SYS_D[3]
D12 SYS_D[7]
D13 SERVO_CS_LO
D14 CLK_12R5M
D16 LOAD_ERR
D17 CAS_IN_STOPPER_ON
D19 SLW_CTRL[2]
D20 REC_FEND2
D21 REC_FEND
D25 CASSET_UP_L
D27 PB_FEND2
D29 SDTI_FLASH_RXD
D30 SDTI_FLASH_FPSW
D31 SYS_SV_RSV1
D32 SYS_SV_RSV2
D33 STB_CLK32
D34 CASSET2_H
D35 EJECT_SW_L
D36 FR_SERI1B
D37 GND

COMPONENT NAME	MOTHER	06/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (6/17)	
	SCM163	


P13
VJS4301A148
GND
P12V
N12V
P5R5V_1
N5R5V
GND
P5R5V_2
GND
P14V
GND
P12VM
GND
GND
N2V
GND
PDWN_L
GND
P5V
N5V
GND
4, 5, 6, 8, 9, 11, 12, 15
2, 4, 6, 8, 9, 11, 12, 15
6, 13, 15
P107
VJS4301A100
DRATE0
SSCE_L
PB_L_ENV
RP_L_ATF
RP_L_HSW
SLOW_L_HSW
FPS[0]
TRP[0]
TRP[4]
TSR
SRV_TAPE_ON_P
S_TENSION
WFM_CTL
DRATE1
SSCE_R
PB_R_ENV
RP_R_ATF
RP_R_HSW
SLOW_R_HSW
FPS[1]
TRP[1]
SLOW_H
REC_SPA
S2A_CLK
AUDIO1
TENS_GND
PRE_CTL_PRE
SSDATA
SSDE
PB_L_ATF
PB_L_HSW
PB_FEND
TRP[2]
SEARCH_H
REC_HEAD_L
S2A_DATA
A2S_DATA
AUDIO2
AUDIO3
CTL_GND
CTL_REC_CURR
SSCLK
PB_R_ATF
PB_R_HSW
FLASH
TRP[3]
TAPE_REV_H
CAP_FG1
AC_DOWN_L
T_TENSION
CTL_PRE
P14
VJS4301A148
P3R3V_3
CACY_GND
RL_GND
P40V
P7R5V
SYS_A[1]
SYS_A[5]
SYS_A[9]
SYS_D[0]
SYS_D[4]
SYS_RD_LO
SERVO_INT_LO
SV_FLASH_RXD
FR_PULSE
SERVO_LOCK_L
CYL_H1+
CYL_H3+
CAP_H1+
CAP_H3+
TRL_H1+
TRL_H3+
SRL_H1+
SRL_H3+
CYL_FG-
CAP_FG1_M
TRL_FG1_M
SRL_FG1_M
SRL_M1
TRL_M1
CAP_M1
CYL_M1
SYS_A[2]
SYS_A[6]
SYS_A[10]
SYS_D[1]
SYS_D[5]
SYS_WR1_LO
MAIL_BOX_INT
SERVO_LOCK_H
SV_FLASH_TXD
CYL_H1-
CYL_H3-
CAP_H1-
CAP_H3-
TRL_H1-
TRL_H3-
SRL_H1-
SRL_H3-
CYL_PG-
CAP_FG2_M
TRL_FG2_M
SRL_FG2_M
SRL_M2
TRL_M2
CAP_M2
CYL_M2
SYS_A[3]
SYS_A[7]
SYS_A[11]
SYS_D[2]
SYS_D[6]
SYS_BUSY_LO
RESET_L
FLS_CTL_H
SV_FLASH_SW
CYL_H2+
CYL_H_V+
CAP_H2+
CAP_H_V+
TRL_H2+
TRL_H_V+
SRL_H2+
SRL_H_V+
CYL_PF_GND
CAP_FG_VCC
RL_FG_V
LOAD_FG
SRL_M3
TRL_M3
CAP_M3
CYL_M3
SYS_A[4]
SYS_A[8]
SYS_D[3]
SYS_D[7]
SERVO_CS_LO
CLK_12R5M
LOAD_ERR
CYL_H2-
CYL_H_V-
CAP_H2-
CAP_H_V-
TRL_H2-
TRL_H_V-
SRL_H2-
SRL_H_V-
CAP_FG_GND
RL_FG_GND
TO_SYSCON
SYS_SV_RSV1
SYS_SV_RSV2
N7R5V

COMPONENT NAME	MOTHER	07/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (7/17)	
	SCM164	

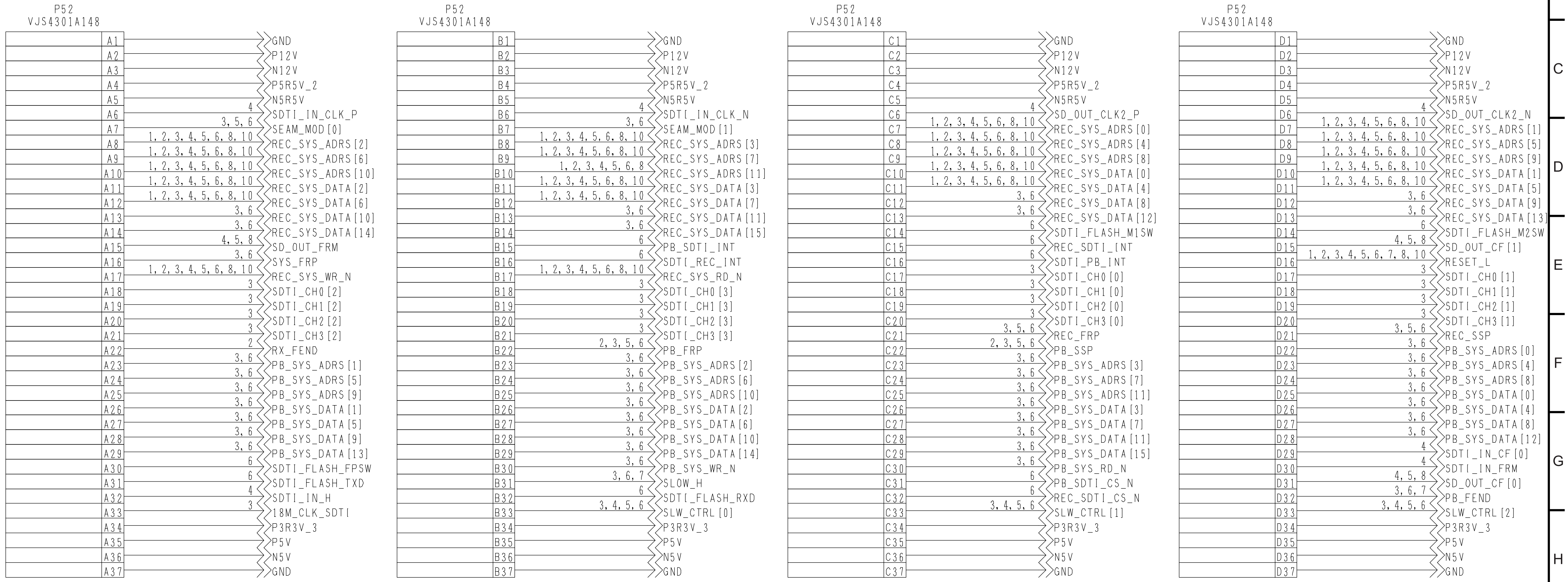

P51
VJS4301A148
A1 GND
A2 P12V
A3
A4 P5R5V_2
A5 N5R5V
A6 15 VIDEO_OUT1
A7 GND
A8 15 VIDEO_OUT2
A9
A10
A11 GND
A12 15 VIDEO_OUT3
A13
A14 GND
A15
A16 6 I2C_SDA_CPST
A17 4, 5 SD_OUT_H
A18 GND
A19 4, 5 SD_MAIN_DATA[6]
A20 4, 5 SD_MAIN_DATA[2]
A21 4, 5 SD_SUB_DATA[8]
A22 4, 5 SD_SUB_DATA[4]
A23 4, 5 SD_SUB_DATA[0]
A24 4 EXT_CPSTOUT[0]
A25 2, 5 SD_SDI_OUT_AUD_CH12
A26 GND
A27 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[0]
A28 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[4]
A29 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[8]
A30 1, 2, 3, 4, 5, 6 REC_SYS_ADRS[12]
A31 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[0]
A32 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[4]
A33 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_WR_N
A34 P3R3V_3
A35 P5V
A36
A37 GND
P51
VJS4301A148
B1 GND
B2 P12V
B3
B4 P5R5V_2
B5 N5R5V
B6
B7 GND
B8
B9
B10
B11 GND
B12
B13
B14 GND
B15
B16 4 UNMATCH_L
B17 4, 5, 9 SD_OUT_FRM
B18 GND
B19 4, 5 SD_MAIN_DATA[7]
B20 4, 5 SD_MAIN_DATA[3]
B21 4, 5 SD_SUB_DATA[9]
B22 4, 5 SD_SUB_DATA[5]
B23 4, 5 SD_SUB_DATA[1]
B24 4 EXT_CPSTOUT[1]
B25 2, 5 SD_SDI_OUT_AUD_CH34
B26 GND
B27 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[1]
B28 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[5]
B29 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[9]
B30 1, 2, 3, 4, 5, 6 REC_SYS_ADRS[13]
B31 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[1]
B32 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[5]
B33 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_RD_N
B34 P3R3V_3
B35 P5V
B36
B37 GND
P51
VJS4301A148
C1 GND
C2 P12V
C3
C4 P5R5V_2
C5 N5R5V
C6
C7 GND
C8
C9
C10
C11 GND
C12
C13
C14 GND
C15 4 SD_OUT_CLK3_P
C16
C17 4, 5, 9 SD_OUT_CF[1]
C18 GND
C19 4, 5 SD_MAIN_DATA[8]
C20 4, 5 SD_MAIN_DATA[4]
C21 4, 5 SD_MAIN_DATA[0]
C22 4, 5 SD_SUB_DATA[6]
C23 4, 5 SD_SUB_DATA[2]
C24 4 EXT_CPSTOUT[2]
C25 2, 5 SD_SDI_OUT_FS128
C26 GND
C27 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[2]
C28 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[6]
C29 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[10]
C30 1, 2, 3, 4, 5, 6 REC_SYS_ADRS[14]
C31 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[2]
C32 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[6]
C33 6 AV_VIDEO_CS_N
C34 P3R3V_3
C35 P5V
C36
C37 GND
P51
VJS4301A148
D1 GND
D2 P12V
D3
D4 P5R5V_2
D5 N5R5V
D6
D7 GND
D8
D9
D10
D11 GND
D12
D13
D14 GND
D15 4 SD_OUT_CLK3_N
D16
D17 4, 5, 9 SD_OUT_CF[0]
D18 GND
D19 4, 5 SD_MAIN_DATA[9]
D20 4, 5 SD_MAIN_DATA[5]
D21 4, 5 SD_MAIN_DATA[1]
D22 4, 5 SD_SUB_DATA[7]
D23 4, 5 SD_SUB_DATA[3]
D24 5 CHAR_DATA
D25 5 CHAR_GATE
D26 GND
D27 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[3]
D28 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_ADRS[7]
D29 1, 2, 3, 4, 5, 6, 9 REC_SYS_ADRS[11]
D30 1, 2, 3, 4, 5, 6 REC_SYS_ADRS[15]
D31 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[3]
D32 1, 2, 3, 4, 5, 6, 9, 10 REC_SYS_DATA[7]
D33 1, 2, 3, 4, 5, 6, 7, 9, 10 RESET_L
D34 P3R3V_3
D35 P5V
D36
D37 GND

COMPONENT NAME **MOTHER** 08/17

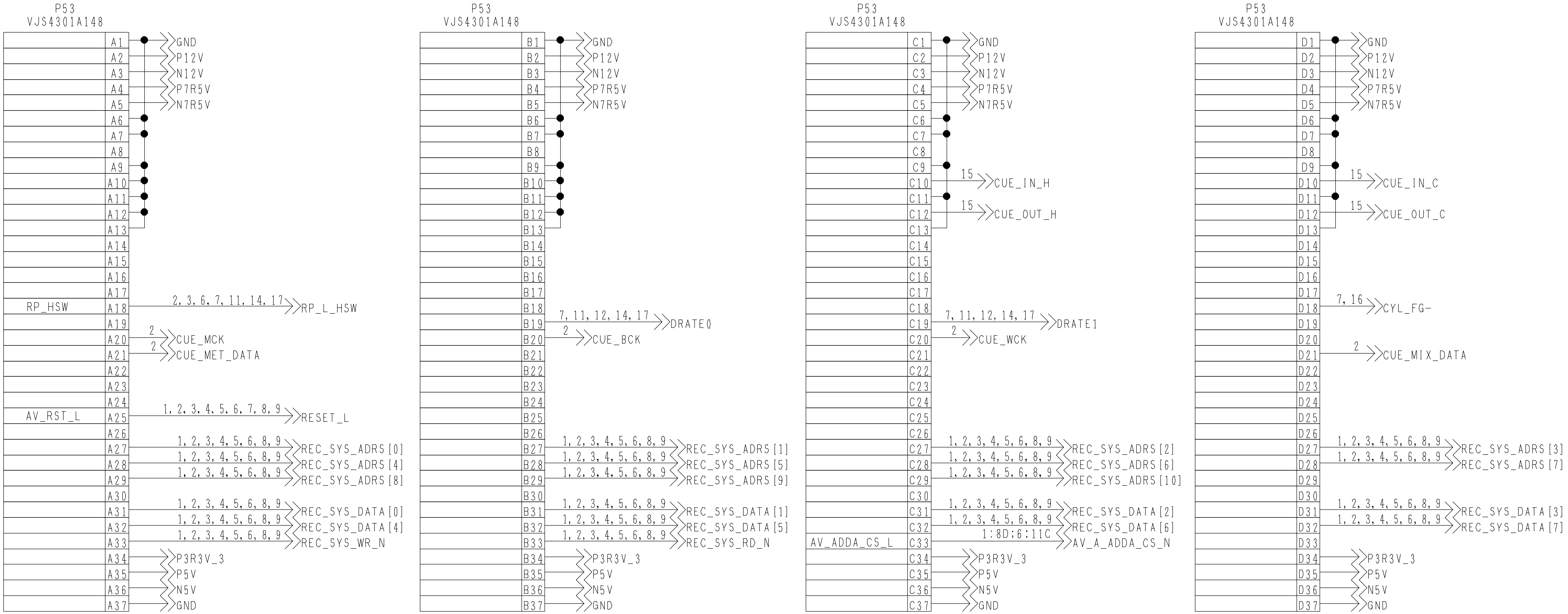
CIRCUIT BOARD NO. VEP89134A

DRAWING NO. KR9G19-1 (8/17)

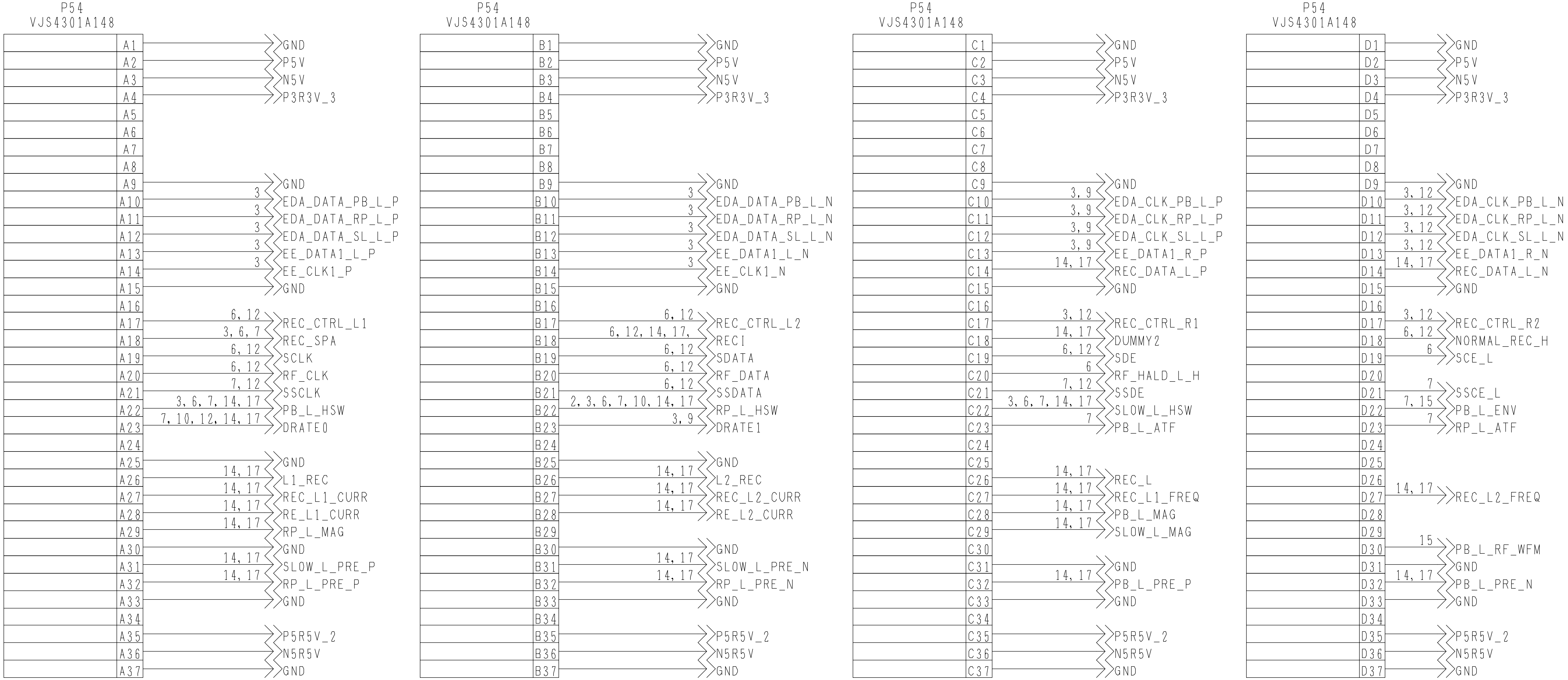
SCM165


P52
VJS4301A148
A1 GND
A2 P12V
A3 N12V
A4 P5R5V_2
A5 N5R5V
A6 4 SDTI_IN_CLK_P
A7 3, 5, 6 SEAM_MOD[0]
A8 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[2]
A9 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[6]
A10 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[10]
A11 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[2]
A12 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[6]
A13 3, 6 REC_SYS_DATA[10]
A14 3, 6 REC_SYS_DATA[14]
A15 4, 5, 8 SD_OUT_FRM
A16 3, 6 SYS_FRP
A17 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_WR_N
A18 3 SDTI_CH0[2]
A19 3 SDTI_CH1[2]
A20 3 SDTI_CH2[2]
A21 3 SDTI_CH3[2]
A22 2 RX_FEND
A23 3, 6 PB_SYS_ADRS[1]
A24 3, 6 PB_SYS_ADRS[5]
A25 3, 6 PB_SYS_ADRS[9]
A26 3, 6 PB_SYS_DATA[1]
A27 3, 6 PB_SYS_DATA[5]
A28 3, 6 PB_SYS_DATA[9]
A29 3, 6 PB_SYS_DATA[13]
A30 6 SDTI_FLASH_FPSW
A31 6 SDTI_FLASH_TXD
A32 4 SDTI_IN_H
A33 3 18M_CLK_SDTI
A34 P3R3V_3
A35 P5V
A36 N5V
A37 GND
P52
VJS4301A148
B1 GND
B2 P12V
B3 N12V
B4 P5R5V_2
B5 N5R5V
B6 4 SDTI_IN_CLK_N
B7 3, 6 SEAM_MOD[1]
B8 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[3]
B9 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[7]
B10 1, 2, 3, 4, 5, 6, 8 REC_SYS_ADRS[11]
B11 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[3]
B12 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[7]
B13 3, 6 REC_SYS_DATA[11]
B14 3, 6 REC_SYS_DATA[15]
B15 6 PB_SDTI_INT
B16 6 SDTI_REC_INT
B17 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_RD_N
B18 3 SDTI_CH0[3]
B19 3 SDTI_CH1[3]
B20 3 SDTI_CH2[3]
B21 3 SDTI_CH3[3]
B22 2, 3, 5, 6 PB_FRP
B23 3, 6 PB_SYS_ADRS[2]
B24 3, 6 PB_SYS_ADRS[6]
B25 3, 6 PB_SYS_ADRS[10]
B26 3, 6 PB_SYS_DATA[2]
B27 3, 6 PB_SYS_DATA[6]
B28 3, 6 PB_SYS_DATA[10]
B29 3, 6 PB_SYS_DATA[14]
B30 3, 6 PB_SYS_WR_N
B31 3, 6, 7 SLOW_H
B32 6 SDTI_FLASH_RXD
B33 3, 4, 5, 6 SLW_CTRL[0]
B34 P3R3V_3
B35 P5V
B36 N5V
B37 GND
P52
VJS4301A148
C1 GND
C2 P12V
C3 N12V
C4 P5R5V_2
C5 N5R5V
C6 4 SD_OUT_CLK2_P
C7 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[0]
C8 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[4]
C9 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[8]
C10 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[0]
C11 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[4]
C12 3, 6 REC_SYS_DATA[8]
C13 3, 6 REC_SYS_DATA[12]
C14 6 SDTI_FLASH_M1SW
C15 6 REC_SDTI_INT
C16 6 SDTI_PB_INT
C17 3 SDTI_CH0[0]
C18 3 SDTI_CH1[0]
C19 3 SDTI_CH2[0]
C20 3 SDTI_CH3[0]
C21 3, 5, 6 REC_FRP
C22 2, 3, 5, 6 PB_SSP
C23 3, 6 PB_SYS_ADRS[3]
C24 3, 6 PB_SYS_ADRS[7]
C25 3, 6 PB_SYS_ADRS[11]
C26 3, 6 PB_SYS_DATA[3]
C27 3, 6 PB_SYS_DATA[7]
C28 3, 6 PB_SYS_DATA[11]
C29 3, 6 PB_SYS_DATA[15]
C30 3, 6 PB_SYS_RD_N
C31 6 PB_SDTI_CS_N
C32 6 REC_SDTI_CS_N
C33 3, 4, 5, 6 SLW_CTRL[1]
C34 P3R3V_3
C35 P5V
C36 N5V
C37 GND
P52
VJS4301A148
D1 GND
D2 P12V
D3 N12V
D4 P5R5V_2
D5 N5R5V
D6 4 SD_OUT_CLK2_N
D7 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[1]
D8 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[5]
D9 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_ADRS[9]
D10 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[1]
D11 1, 2, 3, 4, 5, 6, 8, 10 REC_SYS_DATA[5]
D12 3, 6 REC_SYS_DATA[9]
D13 3, 6 REC_SYS_DATA[13]
D14 6 SDTI_FLASH_M2SW
D15 4, 5, 8 SD_OUT_CF[1]
D16 1, 2, 3, 4, 5, 6, 7, 8, 10 RESET_L
D17 3 SDTI_CH0[1]
D18 3 SDTI_CH1[1]
D19 3 SDTI_CH2[1]
D20 3 SDTI_CH3[1]
D21 3, 5, 6 REC_SSP
D22 3, 6 PB_SYS_ADRS[0]
D23 3, 6 PB_SYS_ADRS[4]
D24 3, 6 PB_SYS_ADRS[8]
D25 3, 6 PB_SYS_DATA[0]
D26 3, 6 PB_SYS_DATA[4]
D27 3, 6 PB_SYS_DATA[8]
D28 3, 6 PB_SYS_DATA[12]
D29 4 SDTI_IN_CF[0]
D30 4 SDTI_IN_FRM
D31 4, 5, 8 SD_OUT_CF[0]
D32 3, 6, 7 PB_FEND
D33 3, 4, 5, 6 SLW_CTRL[2]
D34 P3R3V_3
D35 P5V
D36 N5V
D37 GND

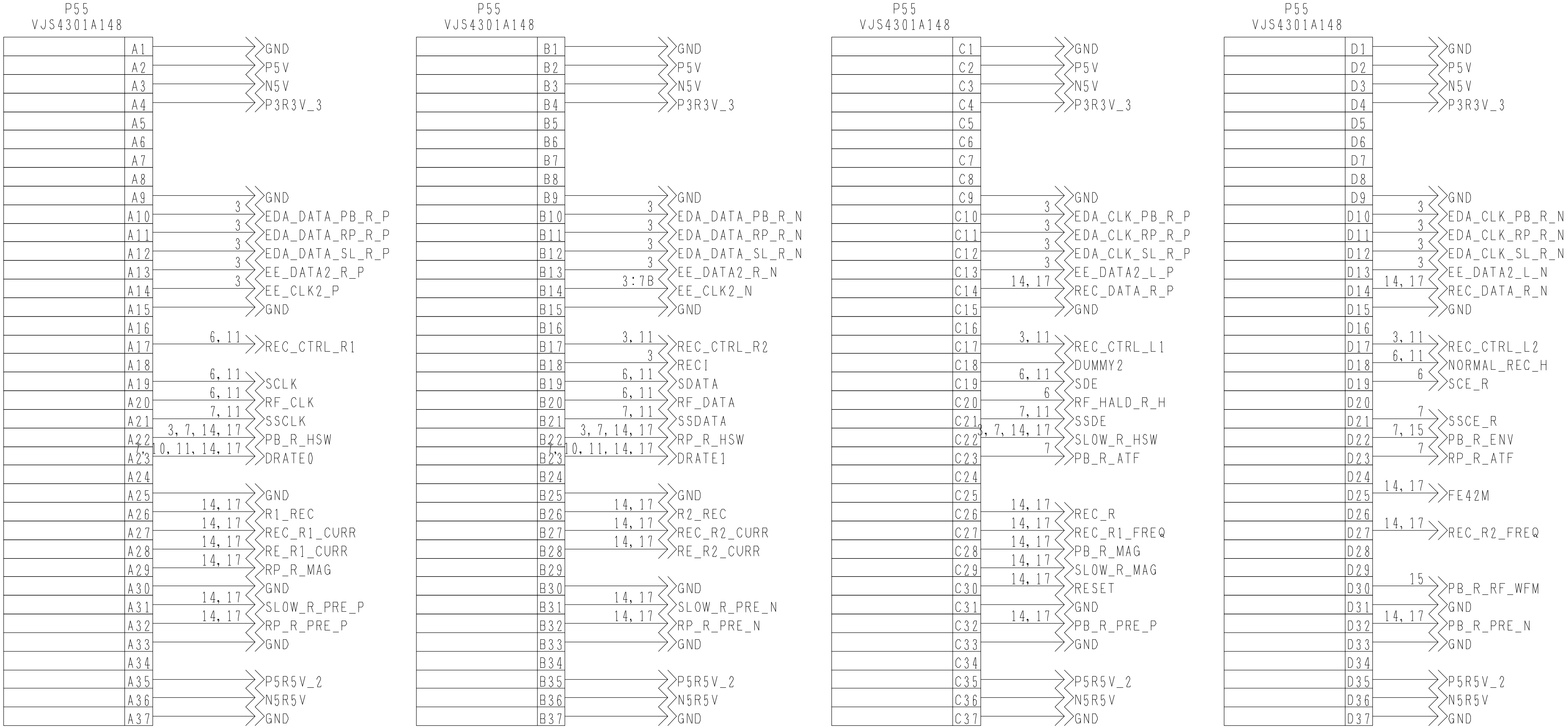
COMPONENT NAME	**MOTHER**	09/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (9/17)	
	SCM166	


P53
VJS4301A148
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
A22
A23
A24
A25
A26
A27
A28
A29
A30
A31
A32
A33
A34
A35
A36
A37
GND
P12V
N12V
P7R5V
N7R5V
RP_HSW
2, 3, 6, 7, 11, 14, 17
RP_L_HSW
2
CUE_MCK
2
CUE_MET_DATA
AV_RST_L
1, 2, 3, 4, 5, 6, 7, 8, 9
RESET_L
1, 2, 3, 4, 5, 6, 8, 9
REC_SYS_ADRS[0]
REC_SYS_ADRS[4]
REC_SYS_ADRS[8]
REC_SYS_DATA[0]
REC_SYS_DATA[4]
REC_SYS_WR_N
P3R3V_3
P5V
N5V
GND
P53
VJS4301A148
B1
B37
GND
P12V
N12V
P7R5V
N7R5V
7, 11, 12, 14, 17
DRATE0
2
CUE_BCK
1, 2, 3, 4, 5, 6, 8, 9
REC_SYS_ADRS[1]
REC_SYS_ADRS[5]
REC_SYS_ADRS[9]
REC_SYS_DATA[1]
REC_SYS_DATA[5]
REC_SYS_RD_N
P3R3V_3
P5V
N5V
GND
P53
VJS4301A148
C1
C37
GND
P12V
N12V
P7R5V
N7R5V
15
CUE_IN_H
15
CUE_OUT_H
7, 11, 12, 14, 17
DRATE1
2
CUE_WCK
1, 2, 3, 4, 5, 6, 8, 9
REC_SYS_ADRS[2]
REC_SYS_ADRS[6]
REC_SYS_ADRS[10]
REC_SYS_DATA[2]
REC_SYS_DATA[6]
AV_ADDA_CS_L
1:8D;6:11C
AV_A_ADDA_CS_N
P3R3V_3
P5V
N5V
GND
P53
VJS4301A148
D1
D37
GND
P12V
N12V
P7R5V
N7R5V
15
CUE_IN_C
15
CUE_OUT_C
7, 16
CYL_FG-
2
CUE_MIX_DATA
1, 2, 3, 4, 5, 6, 8, 9
REC_SYS_ADRS[3]
REC_SYS_ADRS[7]
REC_SYS_DATA[3]
REC_SYS_DATA[7]
P3R3V_3
P5V
N5V
GND

COMPONENT NAME	MOTHER	10/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (10/17)	
	SCM167	


P54
VJS4301A148
A1 GND
A2 P5V
A3 N5V
A4 P3R3V_3
A5
A6
A7
A8
A9 GND
A10 3 EDA_DATA_PB_L_P
A11 3 EDA_DATA_RP_L_P
A12 3 EDA_DATA_SL_L_P
A13 3 EE_DATA1_L_P
A14 3 EE_CLK1_P
A15 GND
A16
A17 6, 12 REC_CTRL_L1
A18 3, 6, 7 REC_SPA
A19 6, 12 SCLK
A20 6, 12 RF_CLK
A21 7, 12 SSCLK
A22 3, 6, 7, 14, 17 PB_L_HSW
A23 7, 10, 12, 14, 17 DRATE0
A24
A25 GND
A26 14, 17 L1_REC
A27 14, 17 REC_L1_CURR
A28 14, 17 RE_L1_CURR
A29 14, 17 RP_L_MAG
A30 GND
A31 14, 17 SLOW_L_PRE_P
A32 14, 17 RP_L_PRE_P
A33 GND
A34
A35 P5R5V_2
A36 N5R5V
A37 GND
P54
VJS4301A148
B1 GND
B2 P5V
B3 N5V
B4 P3R3V_3
B5
B6
B7
B8
B9 GND
B10 3 EDA_DATA_PB_L_N
B11 3 EDA_DATA_RP_L_N
B12 3 EDA_DATA_SL_L_N
B13 3 EE_DATA1_L_N
B14 3 EE_CLK1_N
B15 GND
B16
B17 6, 12 REC_CTRL_L2
B18 6, 12, 14, 17, RECI
B19 6, 12 SDATA
B20 6, 12 RF_DATA
B21 6, 12 SSDATA
B22 2, 3, 6, 7, 10, 14, 17 RP_L_HSW
B23 3, 9 DRATE1
B24
B25 GND
B26 14, 17 L2_REC
B27 14, 17 REC_L2_CURR
B28 14, 17 RE_L2_CURR
B29
B30 GND
B31 14, 17 SLOW_L_PRE_N
B32 14, 17 RP_L_PRE_N
B33 GND
B34
B35 P5R5V_2
B36 N5R5V
B37 GND
P54
VJS4301A148
C1 GND
C2 P5V
C3 N5V
C4 P3R3V_3
C5
C6
C7
C8
C9 GND
C10 3, 9 EDA_CLK_PB_L_P
C11 3, 9 EDA_CLK_RP_L_P
C12 3, 9 EDA_CLK_SL_L_P
C13 3, 9 EE_DATA1_R_P
C14 14, 17 REC_DATA_L_P
C15 GND
C16
C17 3, 12 REC_CTRL_R1
C18 14, 17 DUMMY2
C19 6, 12 SDE
C20 6 RF_HALD_L_H
C21 7, 12 SSDE
C22 3, 6, 7, 14, 17 SLOW_L_HSW
C23 7 PB_L_ATF
C24
C25
C26 14, 17 REC_L
C27 14, 17 REC_L1_FREQ
C28 14, 17 PB_L_MAG
C29 14, 17 SLOW_L_MAG
C30
C31 GND
C32 14, 17 PB_L_PRE_P
C33 GND
C34
C35 P5R5V_2
C36 N5R5V
C37 GND
P54
VJS4301A148
D1 GND
D2 P5V
D3 N5V
D4 P3R3V_3
D5
D6
D7
D8
D9 GND
D10 3, 12 EDA_CLK_PB_L_N
D11 3, 12 EDA_CLK_RP_L_N
D12 3, 12 EDA_CLK_SL_L_N
D13 3, 12 EE_DATA1_R_N
D14 14, 17 REC_DATA_L_N
D15 GND
D16
D17 3, 12 REC_CTRL_R2
D18 6, 12 NORMAL_REC_H
D19 6 SCE_L
D20
D21 7 SSCE_L
D22 7, 15 PB_L_ENV
D23 7 RP_L_ATF
D24
D25
D26
D27 14, 17 REC_L2_FREQ
D28
D29
D30 15 PB_L_RF_WFM
D31 GND
D32 14, 17 PB_L_PRE_N
D33 GND
D34
D35 P5R5V_2
D36 N5R5V
D37 GND

COMPONENT NAME	MOTHER		11/17
CIRCUIT BOARD NO.		DRAWING NO.	
VEP89134A		KR9G19-1 (11/17)	
		SCM168	
]



P55
VJS4301A148

A1		GND
A2		P5V
A3		N5V
A4		P3R3V_3
A5		
A6		
A7		
A8		
A9		GND
A10	3	EDA_DATA_PB_R_P
A11	3	EDA_DATA_RP_R_P
A12	3	EDA_DATA_SL_R_P
A13	3	EE_DATA2_R_P
A14	3	EE_CLK2_P
A15		GND
A16		
A17	6, 11	REC_CTRL_R1
A18		
A19	6, 11	SCLK
A20	6, 11	RF_CLK
A21	7, 11	SSCLK
A22	3, 7, 14, 17	PB_R_HSW
A23	7, 10, 11, 14, 17	DRATE0
A24		
A25		GND
A26	14, 17	R1_REC
A27	14, 17	REC_R1_CURR
A28	14, 17	RE_R1_CURR
A29	14, 17	RP_R_MAG
A30		GND
A31	14, 17	SLOW_R_PRE_P
A32	14, 17	RP_R_PRE_P
A33		GND
A34		
A35		P5R5V_2
A36		N5R5V
A37		GND

P55
VJS4301A148

B1		GND
B2		P5V
B3		N5V
B4		P3R3V_3
B5		
B6		
B7		
B8		
B9		GND
B10	3	EDA_DATA_PB_R_N
B11	3	EDA_DATA_RP_R_N
B12	3	EDA_DATA_SL_R_N
B13	3	EE_DATA2_R_N
B14	3:7B	EE_CLK2_N
B15		GND
B16		
B17	3, 11	REC_CTRL_R2
B18	3	RECI
B19	6, 11	SDATA
B20	6, 11	RF_DATA
B21	7, 11	SSDATA
B22	3, 7, 14, 17	RP_R_HSW
B23	7, 10, 11, 14, 17	DRATE1
B24		
B25		GND
B26	14, 17	R2_REC
B27	14, 17	REC_R2_CURR
B28	14, 17	RE_R2_CURR
B29		
B30		GND
B31	14, 17	SLOW_R_PRE_N
B32	14, 17	RP_R_PRE_N
B33		GND
B34		
B35		P5R5V_2
B36		N5R5V
B37		GND

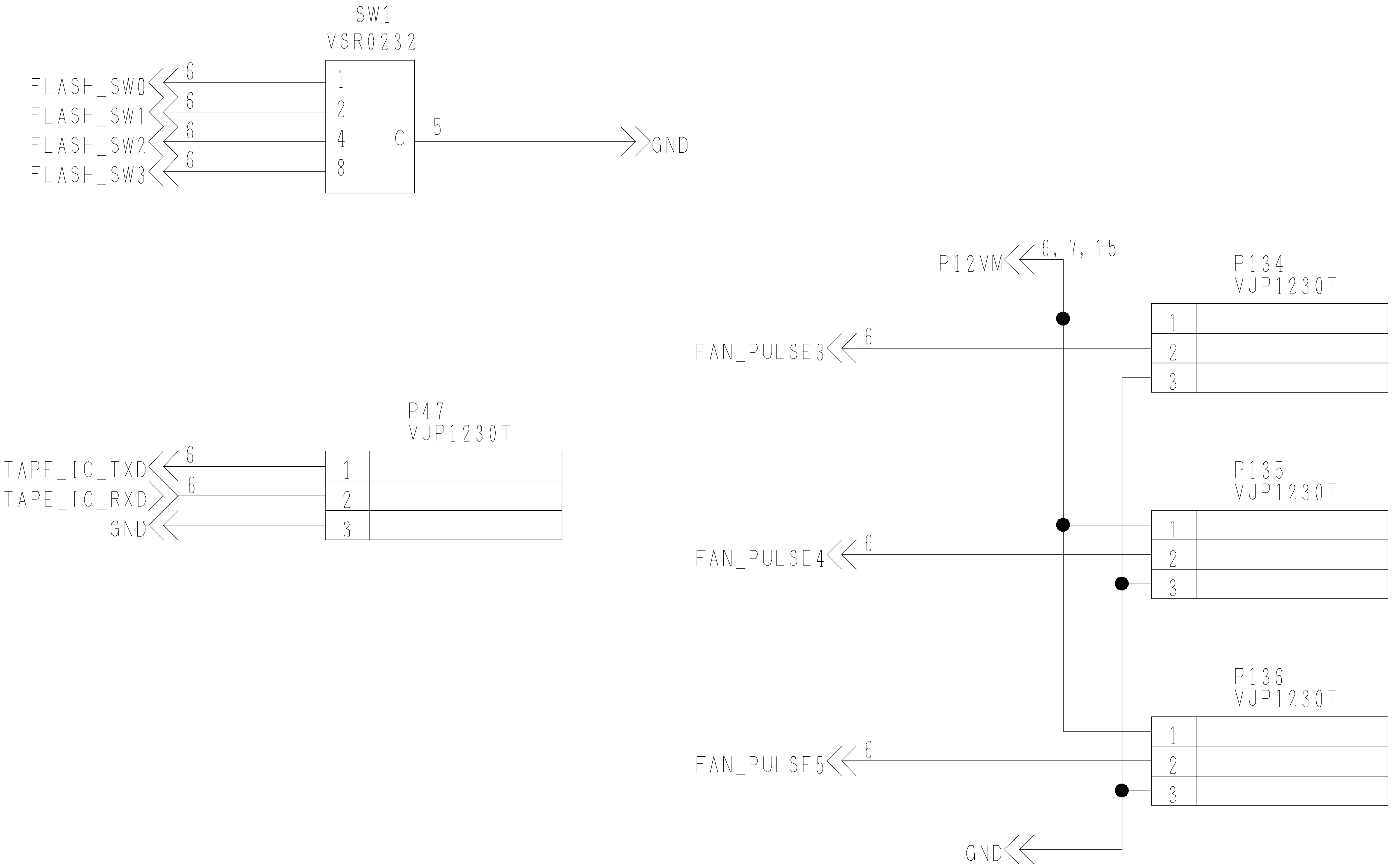
P55
VJS4301A148

C1		GND
C2		P5V
C3		N5V
C4		P3R3V_3
C5		
C6		
C7		
C8		
C9		GND
C10	3	EDA_CLK_PB_R_P
C11	3	EDA_CLK_RP_R_P
C12	3	EDA_CLK_SL_R_P
C13	3	EE_DATA2_L_P
C14	14, 17	REC_DATA_R_P
C15		GND
C16		
C17	3, 11	REC_CTRL_L1
C18		DUMMY2
C19	6, 11	SDE
C20	6	RF_HALD_R_H
C21	7, 11	SSDE
C22	3, 7, 14, 17	SLOW_R_HSW
C23	7	PB_R_ATF
C24		
C25		
C26	14, 17	REC_R
C27	14, 17	REC_R1_FREQ
C28	14, 17	PB_R_MAG
C29	14, 17	SLOW_R_MAG
C30	14, 17	RESET
C31		GND
C32	14, 17	PB_R_PRE_P
C33		GND
C34		
C35		P5R5V_2
C36		N5R5V
C37		GND

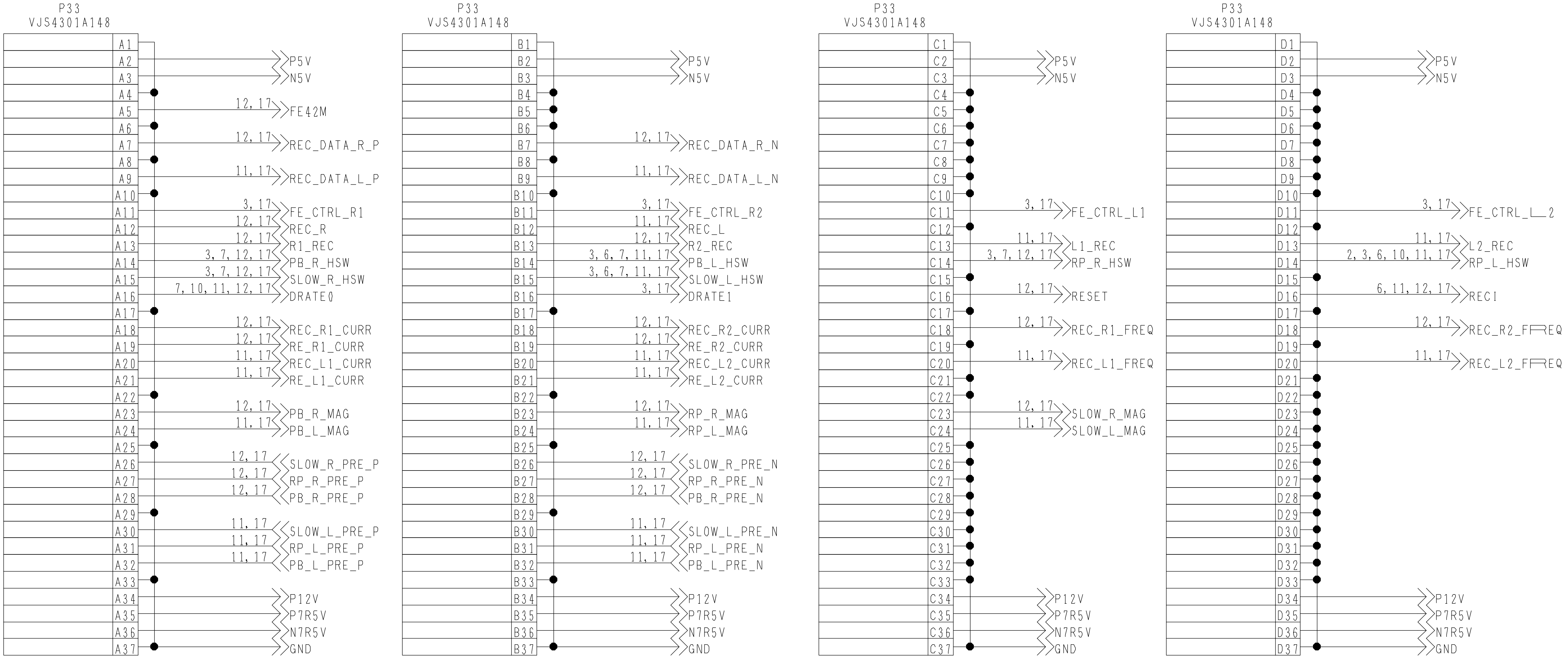
P55
VJS4301A148

D1		GND
D2		P5V
D3		N5V
D4		P3R3V_3
D5		
D6		
D7		
D8		
D9		GND
D10	3	EDA_CLK_PB_R_N
D11	3	EDA_CLK_RP_R_N
D12	3	EDA_CLK_SL_R_N
D13	3	EE_DATA2_L_N
D14	14, 17	REC_DATA_R_N
D15		GND
D16		
D17	3, 11	REC_CTRL_L2
D18	6, 11	NORMAL_REC_H
D19	6	SCE_R
D20		
D21	7	SSCE_R
D22	7, 15	PB_R_ENV
D23	7	RP_R_ATF
D24		
D25	14, 17	FE42M
D26		
D27	14, 17	REC_R2_FREQ
D28		
D29		
D30	15	PB_R_RF_WFM
D31		GND
D32	14, 17	PB_R_PRE_N
D33		GND
D34		
D35		P5R5V_2
D36		N5R5V
D37		GND

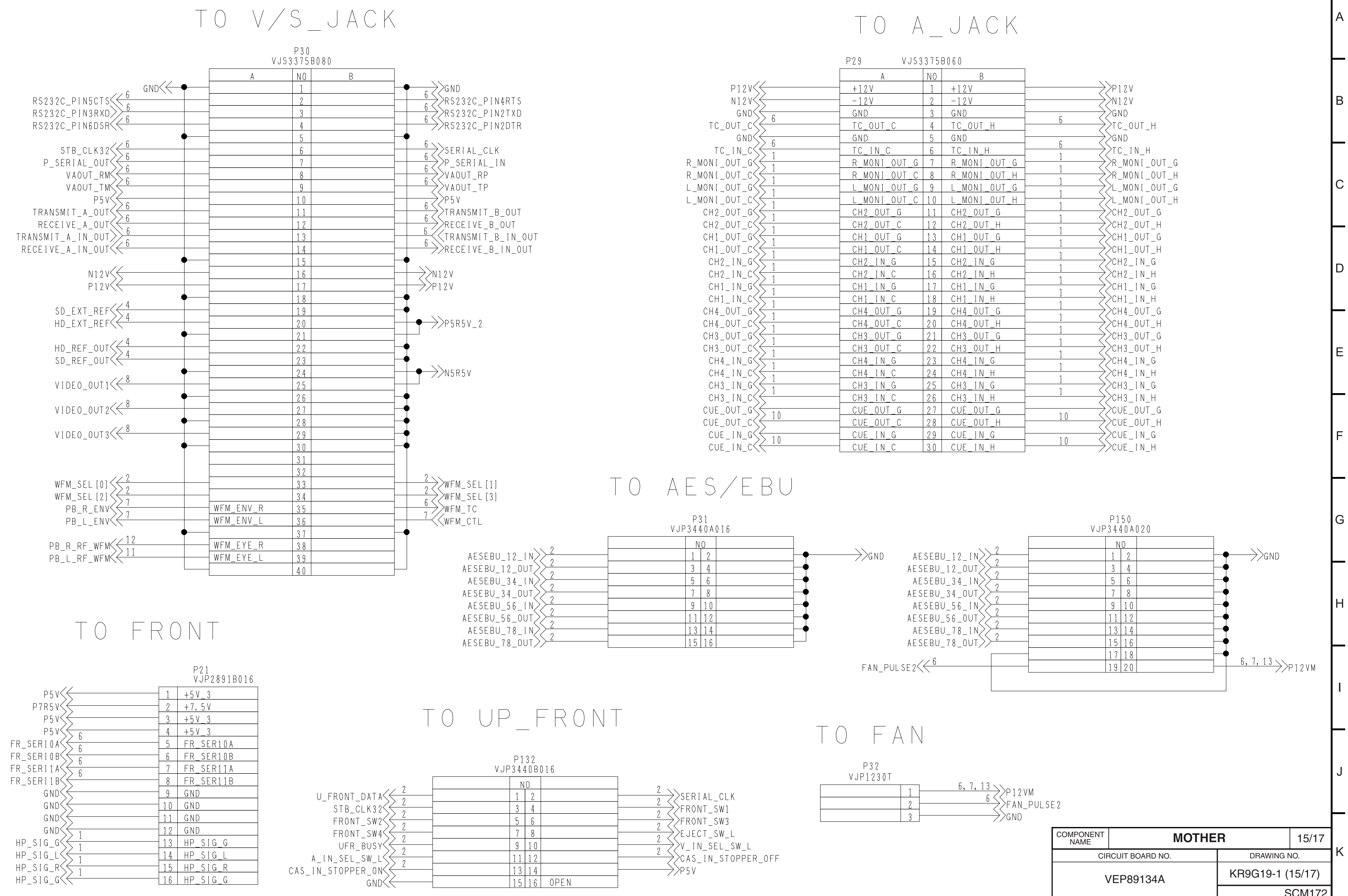
COMPONENT NAME	**MOTHER**	12/17
CIRCUIT BOARD NO.		DRAWING NO.
VEP89134A		KR9G19-1 (12/17)
		SCM169


SW1
VSR0232
FLASH_SW0
FLASH_SW1
FLASH_SW2
FLASH_SW3
6
6
6
6
1
2
4
8
C
5
GND
P12VM
6, 7, 15
P134
VJP1230T
FAN_PULSE3
6
1
2
3
P47
VJP1230T
TAPE_IC_TXD
TAPE_IC_RXD
GND
6
6
1
2
3
P135
VJP1230T
FAN_PULSE4
6
1
2
3
P136
VJP1230T
FAN_PULSE5
6
1
2
3
GND

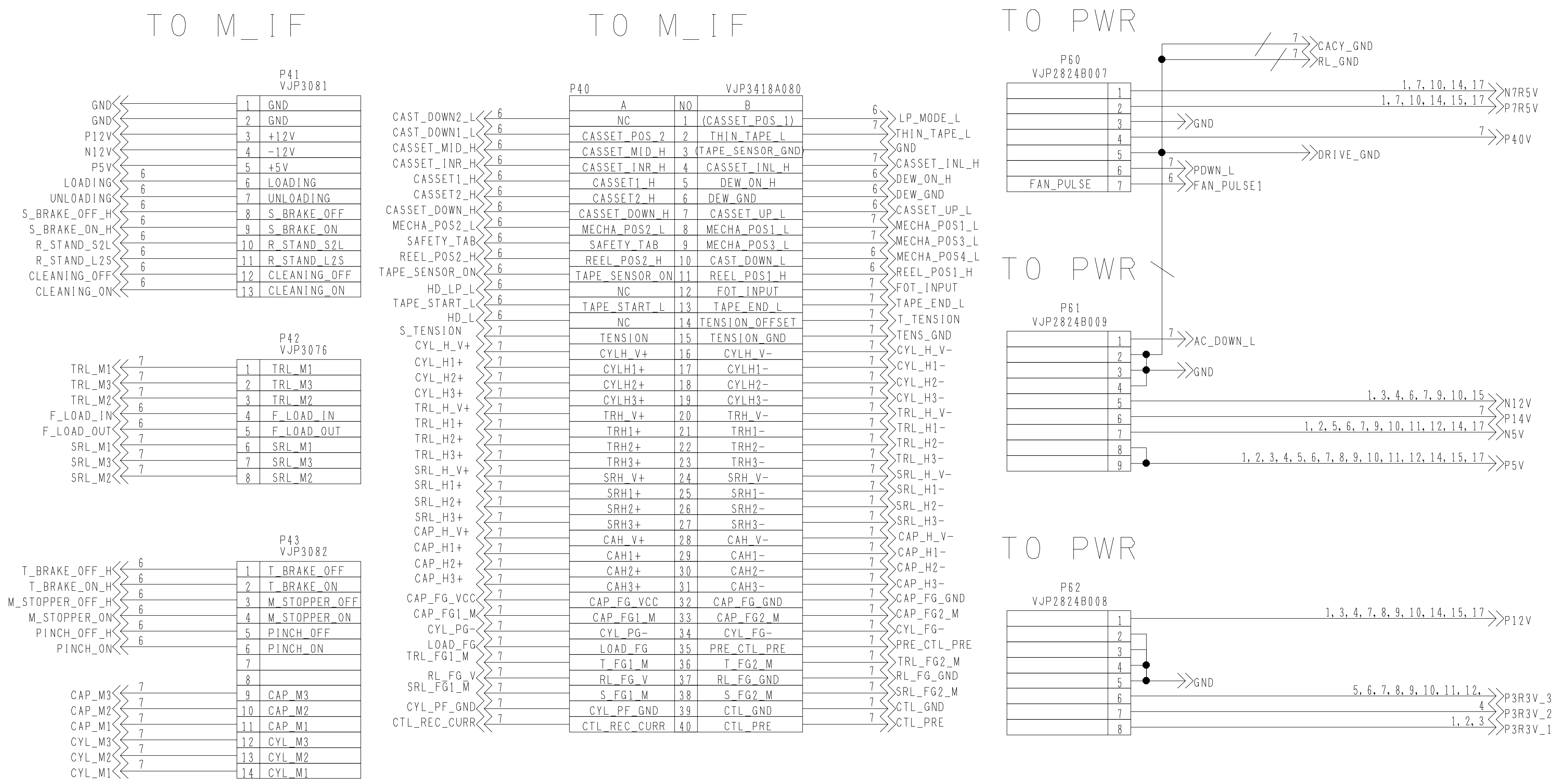
COMPONENT NAME	MOTHER	13/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (13/17) SCM170	


P33
VJS4301A148
A2 P5V
A3 N5V
A5 12, 17 FE42M
A7 12, 17 REC_DATA_R_P
A9 11, 17 REC_DATA_L_P
A11 3, 17 FE_CTRL_R1
A12 12, 17 REC_R
A13 12, 17 R1_REC
A14 3, 7, 12, 17 PB_R_HSW
A15 3, 7, 12, 17 SLOW_R_HSW
A16 7, 10, 11, 12, 17 DRATE0
A18 12, 17 REC_R1_CURR
A19 12, 17 RE_R1_CURR
A20 11, 17 REC_L1_CURR
A21 11, 17 RE_L1_CURR
A23 12, 17 PB_R_MAG
A24 11, 17 PB_L_MAG
A26 12, 17 SLOW_R_PRE_P
A27 12, 17 RP_R_PRE_P
A28 12, 17 PB_R_PRE_P
A30 11, 17 SLOW_L_PRE_P
A31 11, 17 RP_L_PRE_P
A32 11, 17 PB_L_PRE_P
A34 P12V
A35 P7R5V
A36 N7R5V
A37 GND
P33
VJS4301A148
B2 P5V
B3 N5V
B7 12, 17 REC_DATA_R_N
B9 11, 17 REC_DATA_L_N
B11 3, 17 FE_CTRL_R2
B12 11, 17 REC_L
B13 12, 17 R2_REC
B14 3, 6, 7, 11, 17 PB_L_HSW
B15 3, 6, 7, 11, 17 SLOW_L_HSW
B16 3, 17 DRATE1
B18 12, 17 REC_R2_CURR
B19 12, 17 RE_R2_CURR
B20 11, 17 REC_L2_CURR
B21 11, 17 RE_L2_CURR
B23 12, 17 RP_R_MAG
B24 11, 17 RP_L_MAG
B26 12, 17 SLOW_R_PRE_N
B27 12, 17 RP_R_PRE_N
B28 12, 17 PB_R_PRE_N
B30 11, 17 SLOW_L_PRE_N
B31 11, 17 RP_L_PRE_N
B32 11, 17 PB_L_PRE_N
B34 P12V
B35 P7R5V
B36 N7R5V
B37 GND
P33
VJS4301A148
C2 P5V
C3 N5V
C11 3, 17 FE_CTRL_L1
C13 11, 17 L1_REC
C14 3, 7, 12, 17 RP_R_HSW
C16 12, 17 RESET
C18 12, 17 REC_R1_FREQ
C20 11, 17 REC_L1_FREQ
C23 12, 17 SLOW_R_MAG
C24 11, 17 SLOW_L_MAG
C34 P12V
C35 P7R5V
C36 N7R5V
C37 GND
P33
VJS4301A148
D2 P5V
D3 N5V
D11 3, 17 FE_CTRL_L_2
D13 11, 17 L2_REC
D14 2, 3, 6, 10, 11, 17 RP_L_HSW
D16 6, 11, 12, 17 RECI
D18 12, 17 REC_R2_FREQ
D20 11, 17 REC_L2_FREQ
D34 P12V
D35 P7R5V
D36 N7R5V
D37 GND

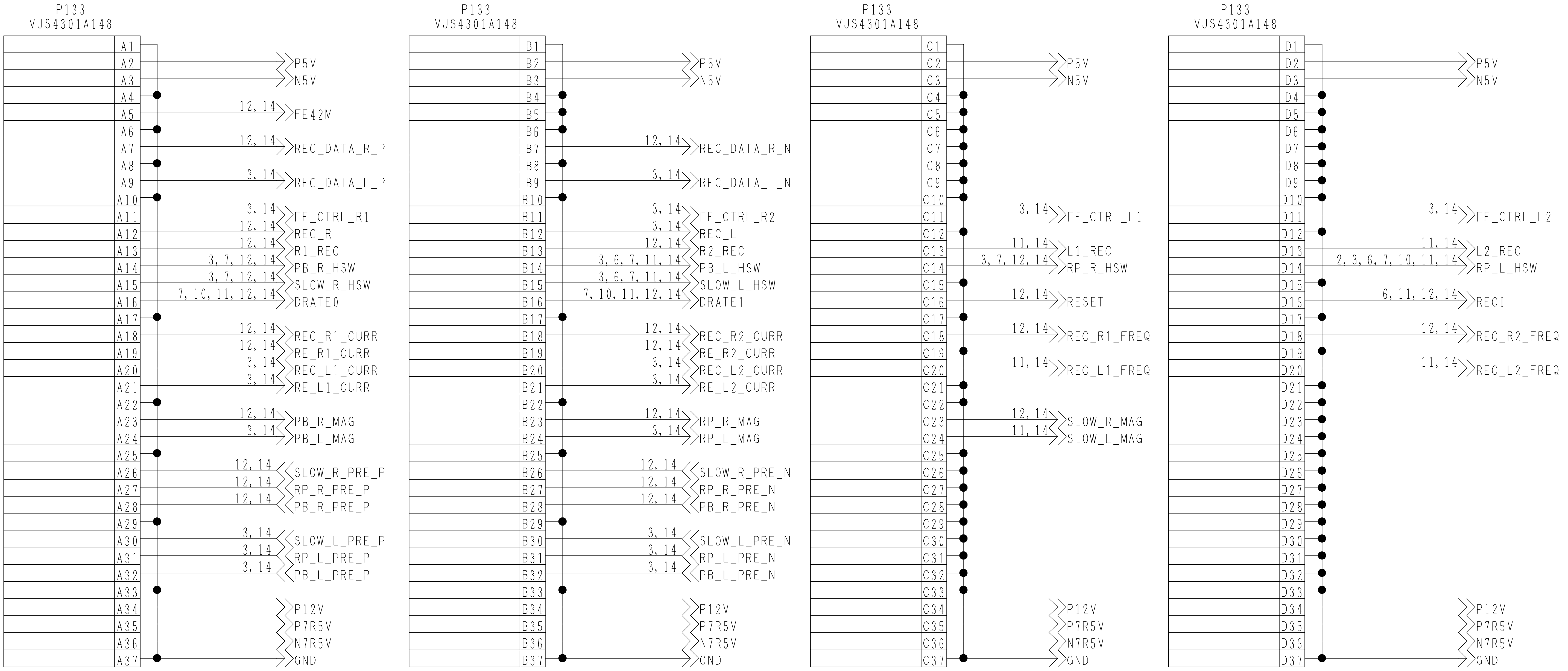
COMPONENT NAME	MOTHER	14/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (14/17)	
	SCM171	


TO V/S_JACK
P30
VJS3375B080
A
NO
B
GND
RS232C_PIN5CTS
RS232C_PIN3RXD
RS232C_PIN6DSR
STB_CLK32
P_SERIAL_OUT
VAOUT_RM
VAOUT_TM
P5V
TRANSMIT_A_OUT
RECEIVE_A_OUT
TRANSMIT_A_IN_OUT
RECEIVE_A_IN_OUT
N12V
P12V
SD_EXT_REF
HD_EXT_REF
HD_REF_OUT
SD_REF_OUT
VIDEO_OUT1
VIDEO_OUT2
VIDEO_OUT3
WFM_SEL[0]
WFM_SEL[2]
PB_R_ENV
PB_L_ENV
PB_R_RF_WFM
PB_L_RF_WFM
WFM_ENV_R
WFM_ENV_L
WFM_EYE_R
WFM_EYE_L
GND
RS232C_PIN4RTS
RS232C_PIN2TXD
RS232C_PIN2DTR
SERIAL_CLK
P_SERIAL_IN
VAOUT_RP
VAOUT_TP
P5V
TRANSMIT_B_OUT
RECEIVE_B_OUT
TRANSMIT_B_IN_OUT
RECEIVE_B_IN_OUT
N12V
P12V
P5R5V_2
N5R5V
WFM_SEL[1]
WFM_SEL[3]
WFM_TC
WFM_CTL
TO A_JACK
P29
VJS3375B060
+12V
-12V
GND
TC_OUT_C
TC_OUT_H
TC_IN_C
TC_IN_H
R_MONI_OUT_G
R_MONI_OUT_C
R_MONI_OUT_H
L_MONI_OUT_G
L_MONI_OUT_C
L_MONI_OUT_H
CH2_OUT_G
CH2_OUT_C
CH2_OUT_H
CH1_OUT_G
CH1_OUT_C
CH1_OUT_H
CH2_IN_G
CH2_IN_C
CH2_IN_H
CH1_IN_G
CH1_IN_C
CH1_IN_H
CH4_OUT_G
CH4_OUT_C
CH4_OUT_H
CH3_OUT_G
CH3_OUT_C
CH3_OUT_H
CH4_IN_G
CH4_IN_C
CH4_IN_H
CH3_IN_G
CH3_IN_C
CH3_IN_H
CUE_OUT_G
CUE_OUT_C
CUE_OUT_H
CUE_IN_G
CUE_IN_C
CUE_IN_H
P12V
N12V
TO AES/EBU
P31
VJP3440A016
P150
VJP3440A020
AESEBU_12_IN
AESEBU_12_OUT
AESEBU_34_IN
AESEBU_34_OUT
AESEBU_56_IN
AESEBU_56_OUT
AESEBU_78_IN
AESEBU_78_OUT
GND
FAN_PULSE2
P12VM
TO FRONT
P21
VJP2891B016
P5V
P7R5V
FR_SERI0A
FR_SERI0B
FR_SERI1A
FR_SERI1B
HP_SIG_G
HP_SIG_L
HP_SIG_R
+5V_3
+7.5V
TO UP_FRONT
P132
VJP3440B016
U_FRONT_DATA
STB_CLK32
FRONT_SW2
FRONT_SW4
UFR_BUSY
A_IN_SEL_SW_L
CAS_IN_STOPPER_ON
SERIAL_CLK
FRONT_SW1
FRONT_SW3
EJECT_SW_L
V_IN_SEL_SW_L
CAS_IN_STOPPER_OFF
OPEN
TO FAN
P32
VJP1230T
P12VM
FAN_PULSE2
GND

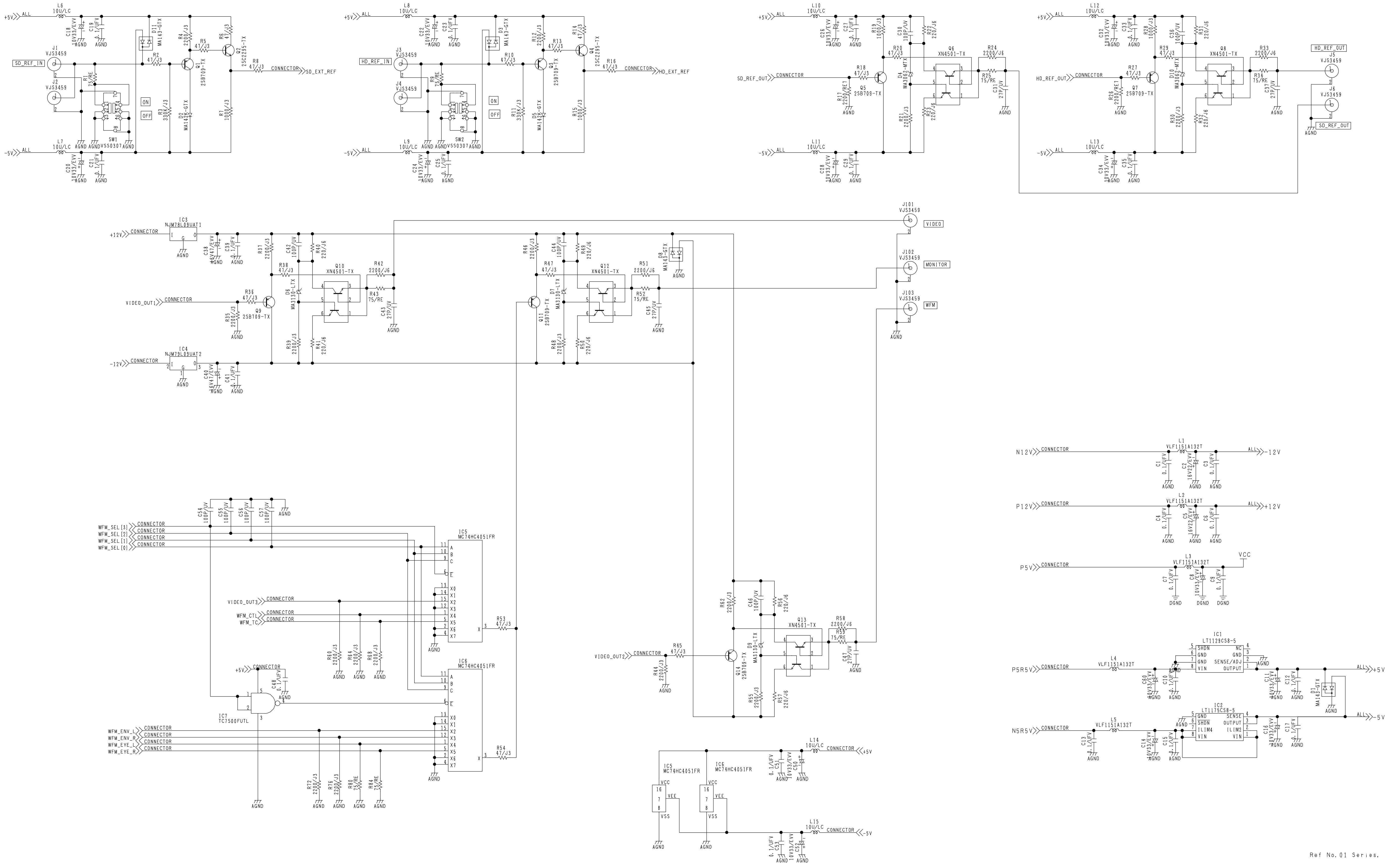
COMPONENT NAME	MOTHER	15/17
CIRCUIT BOARD NO.		DRAWING NO.
VEP89134A		KR9G19-1 (15/17)
		SCM172


TO M_IF
P41
VJP3081
1 GND
2 GND
3 +12V
4 -12V
5 +5V
6 LOADING
7 UNLOADING
8 S_BRAKE_OFF
9 S_BRAKE_ON
10 R_STAND_S2L
11 R_STAND_L2S
12 CLEANING_OFF
13 CLEANING_ON
GND
GND
P12V
N12V
P5V
LOADING
UNLOADING
S_BRAKE_OFF_H
S_BRAKE_ON_H
R_STAND_S2L
R_STAND_L2S
CLEANING_OFF
CLEANING_ON
P42
VJP3076
1 TRL_M1
2 TRL_M3
3 TRL_M2
4 F_LOAD_IN
5 F_LOAD_OUT
6 SRL_M1
7 SRL_M3
8 SRL_M2
TRL_M1
TRL_M3
TRL_M2
F_LOAD_IN
F_LOAD_OUT
SRL_M1
SRL_M3
SRL_M2
P43
VJP3082
1 T_BRAKE_OFF
2 T_BRAKE_ON
3 M_STOPPER_OFF
4 M_STOPPER_ON
5 PINCH_OFF
6 PINCH_ON
7
8
9 CAP_M3
10 CAP_M2
11 CAP_M1
12 CYL_M3
13 CYL_M2
14 CYL_M1
T_BRAKE_OFF_H
T_BRAKE_ON_H
M_STOPPER_OFF_H
M_STOPPER_ON
PINCH_OFF_H
PINCH_ON
CAP_M3
CAP_M2
CAP_M1
CYL_M3
CYL_M2
CYL_M1
TO M_IF
P40
VJP3418A080
A NO B
NC 1 (CASSET_POS_1)
CASSET_POS_2 2 THIN_TAPE_L
CASSET_MID_H 3 (TAPE_SENSOR_GND)
CASSET_INR_H 4 CASSET_INL_H
CASSET1_H 5 DEW_ON_H
CASSET2_H 6 DEW_GND
CASSET_DOWN_H 7 CASSET_UP_L
MECHA_POS2_L 8 MECHA_POS1_L
SAFETY_TAB 9 MECHA_POS3_L
REEL_POS2_H 10 CAST_DOWN_L
TAPE_SENSOR_ON 11 REEL_POS1_H
NC 12 FOT_INPUT
TAPE_START_L 13 TAPE_END_L
NC 14 TENSION_OFFSET
TENSION 15 TENSION_GND
CYLH_V+ 16 CYLH_V-
CYLH1+ 17 CYLH1-
CYLH2+ 18 CYLH2-
CYLH3+ 19 CYLH3-
TRH_V+ 20 TRH_V-
TRH1+ 21 TRH1-
TRH2+ 22 TRH2-
TRH3+ 23 TRH3-
SRH_V+ 24 SRH_V-
SRH1+ 25 SRH1-
SRH2+ 26 SRH2-
SRH3+ 27 SRH3-
CAH_V+ 28 CAH_V-
CAH1+ 29 CAH1-
CAH2+ 30 CAH2-
CAH3+ 31 CAH3-
CAP_FG_VCC 32 CAP_FG_GND
CAP_FG1_M 33 CAP_FG2_M
CYL_PG- 34 CYL_FG-
LOAD_FG 35 PRE_CTL_PRE
T_FG1_M 36 T_FG2_M
RL_FG_V 37 RL_FG_GND
S_FG1_M 38 S_FG2_M
CYL_PF_GND 39 CTL_GND
CTL_REC_CURR 40 CTL_PRE
CAST_DOWN2_L
CAST_DOWN1_L
CASSET_MID_H
CASSET_INR_H
CASSET1_H
CASSET2_H
CASSET_DOWN_H
MECHA_POS2_L
SAFETY_TAB
REEL_POS2_H
TAPE_SENSOR_ON
HD_LP_L
TAPE_START_L
HD_L
S_TENSION
CYL_H_V+
CYL_H1+
CYL_H2+
CYL_H3+
TRL_H_V+
TRL_H1+
TRL_H2+
TRL_H3+
SRL_H_V+
SRL_H1+
SRL_H2+
SRL_H3+
CAP_H_V+
CAP_H1+
CAP_H2+
CAP_H3+
CAP_FG_VCC
CAP_FG1_M
CYL_PG-
LOAD_FG
TRL_FG1_M
RL_FG_V
SRL_FG1_M
CYL_PF_GND
CTL_REC_CURR
LP_MODE_L
THIN_TAPE_L
GND
CASSET_INL_H
DEW_ON_H
DEW_GND
CASSET_UP_L
MECHA_POS1_L
MECHA_POS3_L
MECHA_POS4_L
REEL_POS1_H
FOT_INPUT
TAPE_END_L
T_TENSION
TENS_GND
CYL_H_V-
CYL_H1-
CYL_H2-
CYL_H3-
TRL_H_V-
TRL_H1-
TRL_H2-
TRL_H3-
SRL_H_V-
SRL_H1-
SRL_H2-
SRL_H3-
CAP_H_V-
CAP_H1-
CAP_H2-
CAP_H3-
CAP_FG_GND
CAP_FG2_M
CYL_FG-
PRE_CTL_PRE
TRL_FG2_M
RL_FG_GND
SRL_FG2_M
CTL_GND
CTL_PRE
TO PWR
P60
VJP2824B007
FAN_PULSE
CACY_GND
RL_GND
1, 7, 10, 14, 17
N7R5V
1, 7, 10, 14, 15, 17
P7R5V
GND
P40V
DRIVE_GND
PDWN_L
FAN_PULSE1
TO PWR
P61
VJP2824B009
AC_DOWN_L
GND
1, 3, 4, 6, 7, 9, 10, 15
N12V
P14V
1, 2, 5, 6, 7, 9, 10, 11, 12, 14, 17
N5V
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 17
P5V
TO PWR
P62
VJP2824B008
1, 3, 4, 7, 8, 9, 10, 14, 15, 17
P12V
GND
5, 6, 7, 8, 9, 10, 11, 12,
P3R3V_3
4
P3R3V_2
1, 2, 3
P3R3V_1

COMPONENT NAME	MOTHER	16/17
CIRCUIT BOARD NO.		DRAWING NO.
VEP89134A		KR9G19-1 (16/17)
		SCM173


P133
VJS4301A148
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
A22
A23
A24
A25
A26
A27
A28
A29
A30
A31
A32
A33
A34
A35
A36
A37
P5V
N5V
12, 14 FE42M
12, 14 REC_DATA_R_P
3, 14 REC_DATA_L_P
3, 14 FE_CTRL_R1
12, 14 REC_R
12, 14 R1_REC
3, 7, 12, 14 PB_R_HSW
3, 7, 12, 14 SLOW_R_HSW
7, 10, 11, 12, 14 DRATE0
12, 14 REC_R1_CURR
12, 14 RE_R1_CURR
3, 14 REC_L1_CURR
3, 14 RE_L1_CURR
12, 14 PB_R_MAG
3, 14 PB_L_MAG
12, 14 SLOW_R_PRE_P
12, 14 RP_R_PRE_P
12, 14 PB_R_PRE_P
3, 14 SLOW_L_PRE_P
3, 14 RP_L_PRE_P
3, 14 PB_L_PRE_P
P12V
P7R5V
N7R5V
GND
P133
VJS4301A148
B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
B11
B12
B13
B14
B15
B16
B17
B18
B19
B20
B21
B22
B23
B24
B25
B26
B27
B28
B29
B30
B31
B32
B33
B34
B35
B36
B37
P5V
N5V
12, 14 REC_DATA_R_N
3, 14 REC_DATA_L_N
3, 14 FE_CTRL_R2
3, 14 REC_L
12, 14 R2_REC
3, 6, 7, 11, 14 PB_L_HSW
3, 6, 7, 11, 14 SLOW_L_HSW
7, 10, 11, 12, 14 DRATE1
12, 14 REC_R2_CURR
12, 14 RE_R2_CURR
3, 14 REC_L2_CURR
3, 14 RE_L2_CURR
12, 14 RP_R_MAG
3, 14 RP_L_MAG
12, 14 SLOW_R_PRE_N
12, 14 RP_R_PRE_N
12, 14 PB_R_PRE_N
3, 14 SLOW_L_PRE_N
3, 14 RP_L_PRE_N
3, 14 PB_L_PRE_N
P12V
P7R5V
N7R5V
GND
P133
VJS4301A148
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
C34
C35
C36
C37
P5V
N5V
3, 14 FE_CTRL_L1
11, 14 L1_REC
3, 7, 12, 14 RP_R_HSW
12, 14 RESET
12, 14 REC_R1_FREQ
11, 14 REC_L1_FREQ
12, 14 SLOW_R_MAG
11, 14 SLOW_L_MAG
P12V
P7R5V
N7R5V
GND
P133
VJS4301A148
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
D16
D17
D18
D19
D20
D21
D22
D23
D24
D25
D26
D27
D28
D29
D30
D31
D32
D33
D34
D35
D36
D37
P5V
N5V
3, 14 FE_CTRL_L2
11, 14 L2_REC
2, 3, 6, 7, 10, 11, 14 RP_L_HSW
6, 11, 12, 14 RECI
12, 14 REC_R2_FREQ
11, 14 REC_L2_FREQ
P12V
P7R5V
N7R5V
GND

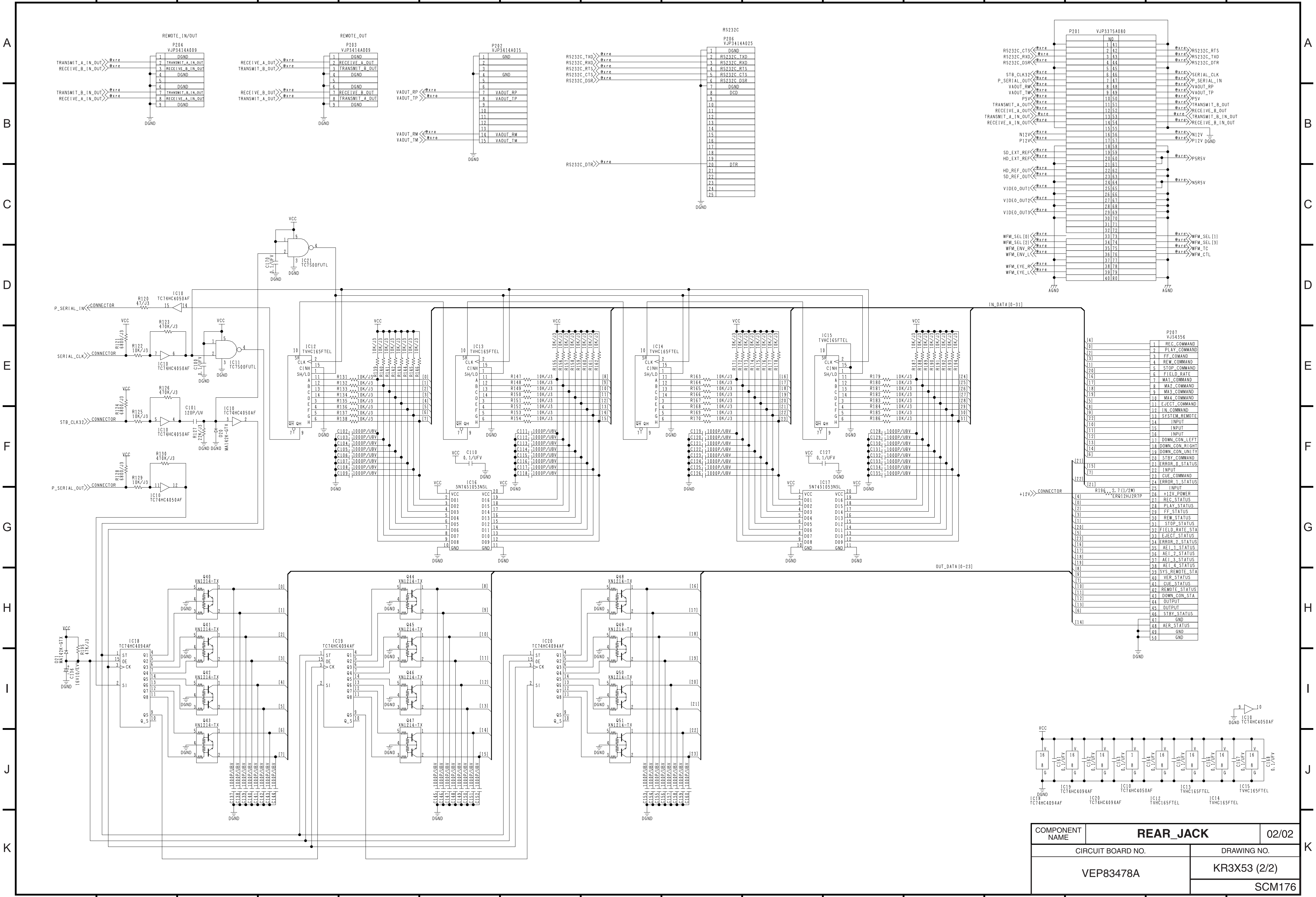
COMPONENT NAME	**MOTHER**	17/17
CIRCUIT BOARD NO.	DRAWING NO.	
VEP89134A	KR9G19-1 (17/17)	
	SCM174	



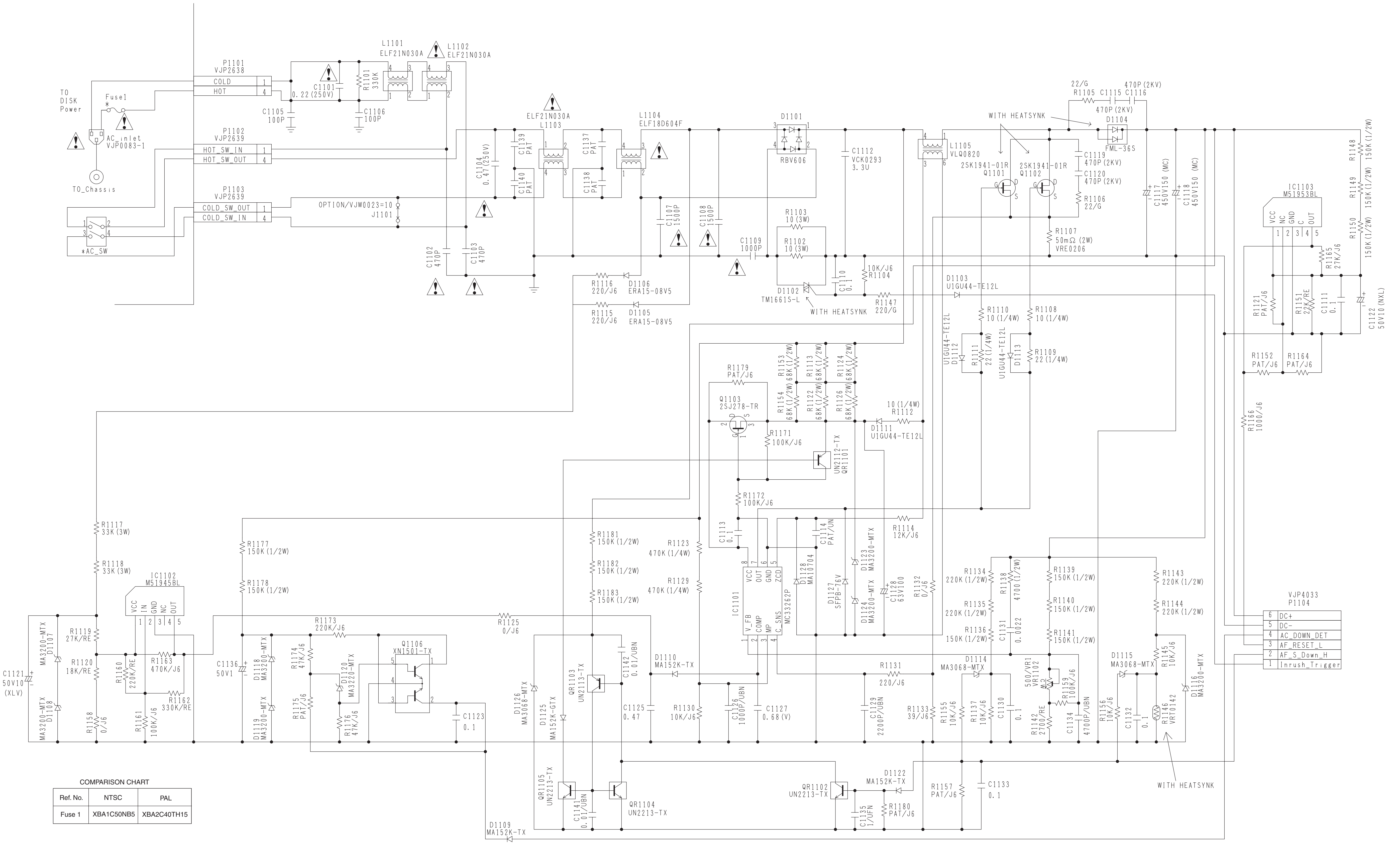
SD_REF_IN
SD_EXT_REF
HD_REF_IN
HD_EXT_REF
SD_REF_OUT
HD_REF_OUT
VIDEO_OUT1
VIDEO_OUT2
VIDEO_OUT3
VIDEO
MONITOR
WFM
J1 VJS3459
J2 VJS3459
J3 VJS3459
J4 VJS3459
J5 VJS3459
J6 VJS3459
J101 VJS3459
J102 VJS3459
J103 VJS3459
SW1 VSS0307
SW2 VSS0307
ON
OFF
IC3 NJM78L09UAT1
IC4 NJM79L09UAT2
IC5 MC74HC4051FR
IC6 MC74HC4051FR
IC7 TC7S00FUTL
IC1 LT1129CS8-5
IC2 LT1175CS8-5
Q6 XN4501-TX
Q8 XN4501-TX
Q10 XN4501-TX
Q12 XN4501-TX
Q13 XN4501-TX
WFM_SEL[3]
WFM_SEL[2]
WFM_SEL[1]
WFM_SEL[0]
WFM_CTL
WFM_TC
WFM_ENV_L
WFM_ENV_R
WFM_EYE_L
WFM_EYE_R
N12V
P12V
P5V
P5R5V
N5R5V
VCC
+12V
-12V
+5V
-5V
CONNECTOR
AGND
DGND
ALL

Ref No. 01 Series.

COMPONENT NAME	REAR_JACK	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP83478A		KR3X53 (1/2)
		SCM175


REMOTE_IN/OUT
P204
VJP3414A009
TRANSMIT_A_IN_OUT
RECEIVE_B_IN_OUT
TRANSMIT_B_IN_OUT
RECEIVE_A_IN_OUT
DGND
REMOTE_OUT
P203
VJP3414A009
RECEIVE_A_OUT
TRANSMIT_B_OUT
RECEIVE_B_OUT
TRANSMIT_A_OUT
P202
VJP3414A015
VAOUT_RP
VAOUT_TP
VAOUT_RM
VAOUT_TM
GND
RS232C
P206
VJP3414A025
RS232C_TXD
RS232C_RXD
RS232C_RTS
RS232C_CTS
RS232C_DSR
RS232C_DTR
DCD
DTR
P201
VJP3375A080
RS232C_RTS
RS232C_TXD
RS232C_DTR
STB_CLK32
SERIAL_CLK
P_SERIAL_OUT
P_SERIAL_IN
P5V
TRANSMIT_B_OUT
RECEIVE_B_OUT
TRANSMIT_B_IN_OUT
RECEIVE_B_IN_OUT
N12V
P12V
SD_EXT_REF
HD_EXT_REF
HD_REF_OUT
SD_REF_OUT
P5R5V
N5R5V
VIDEO_OUT1
VIDEO_OUT2
VIDEO_OUT3
WFM_SEL[0]
WFM_SEL[1]
WFM_SEL[2]
WFM_SEL[3]
WFM_ENV_R
WFM_ENV_L
WFM_TC
WFM_CTL
WFM_EYE_R
WFM_EYE_L
AGND
@xre
VCC
IC21
TC7S00FUTL
C170
0.1/UFV
P_SERIAL_IN
CONNECTOR
R120
47/J3
IC10
TC74HC4050AF
SERIAL_CLK
R121
6800/J3
R122
10K/J3
R123
470K/J3
IC11
TC7S00FUTL
C100
0.1/UFV
STB_CLK32
R124
R125
R126
C101
120P/UV
R127
D20
MA142K-GTX
P_SERIAL_OUT
R128
R129
R130
IC12
TVHC165FTEL
IC13
TVHC165FTEL
IC14
TVHC165FTEL
IC15
TVHC165FTEL
SR
CLK
CINH
SH/LD
QH
10K/J3
1000P/UBV
IN_DATA[0-31]
IC16
SN74S1053NSL
IC17
SN74S1053NSL
C110
0.1/UFV
C127
0.1/UFV
P207
VJ54356
REC_COMMAND
PLAY_COMMAND
FF_COMMAND
REW_COMMAND
STOP_COMMAND
FIELD_RATE
MA1_COMMAND
MA2_COMMAND
MA3_COMMAND
MA4_COMMAND
EJECT_COMMAND
IN_COMMAND
SYSTEM_REMOTE
INPUT
DOWN_CON_LEFT
DOWN_CON_RIGHT
DOWN_CON_UNITY
STBY_COMMAND
ERROR_0_STATUS
CUE_COMMAND
ERROR_1_STATUS
+12V_POWER
REC_STATUS
PLAY_STATUS
FF_STATUS
REW_STATUS
STOP_STATUS
FIELD_RATE_STA
EJECT_STATUS
ERROR_2_STATUS
AEI_1_STATUS
AEI_2_STATUS
AEI_3_STATUS
AEI_4_STATUS
SYS_REMOTE_STA
VER_STATUS
CUE_STATUS
REMOTE_STATUS
DOWN_CON_STA
OUTPUT
STBY_STATUS
AER_STATUS
GND
+12V
R195
2.7(1/2W)
ERQ12HJ2R7P
OUT_DATA[0-23]
Q40
Q41
Q42
Q43
Q44
Q45
Q46
Q47
Q48
Q49
Q50
Q51
XN1214-TX
IC18
TC74HC4094AF
IC19
TC74HC4094AF
IC20
TC74HC4094AF
ST
OE
CK
SI
Q_S
D21
MA142K-GTX
R155
47K/J3
C136
16V10/EV
IC10
TC74HC4050AF
C161
C162
C163
C164
C165
C166
C167
C168
0.1/UFV
TVHC165FTEL

COMPONENT NAME
REAR_JACK
02/02
CIRCUIT BOARD NO.
VEP83478A
DRAWING NO.
KR3X53 (2/2)
SCM176

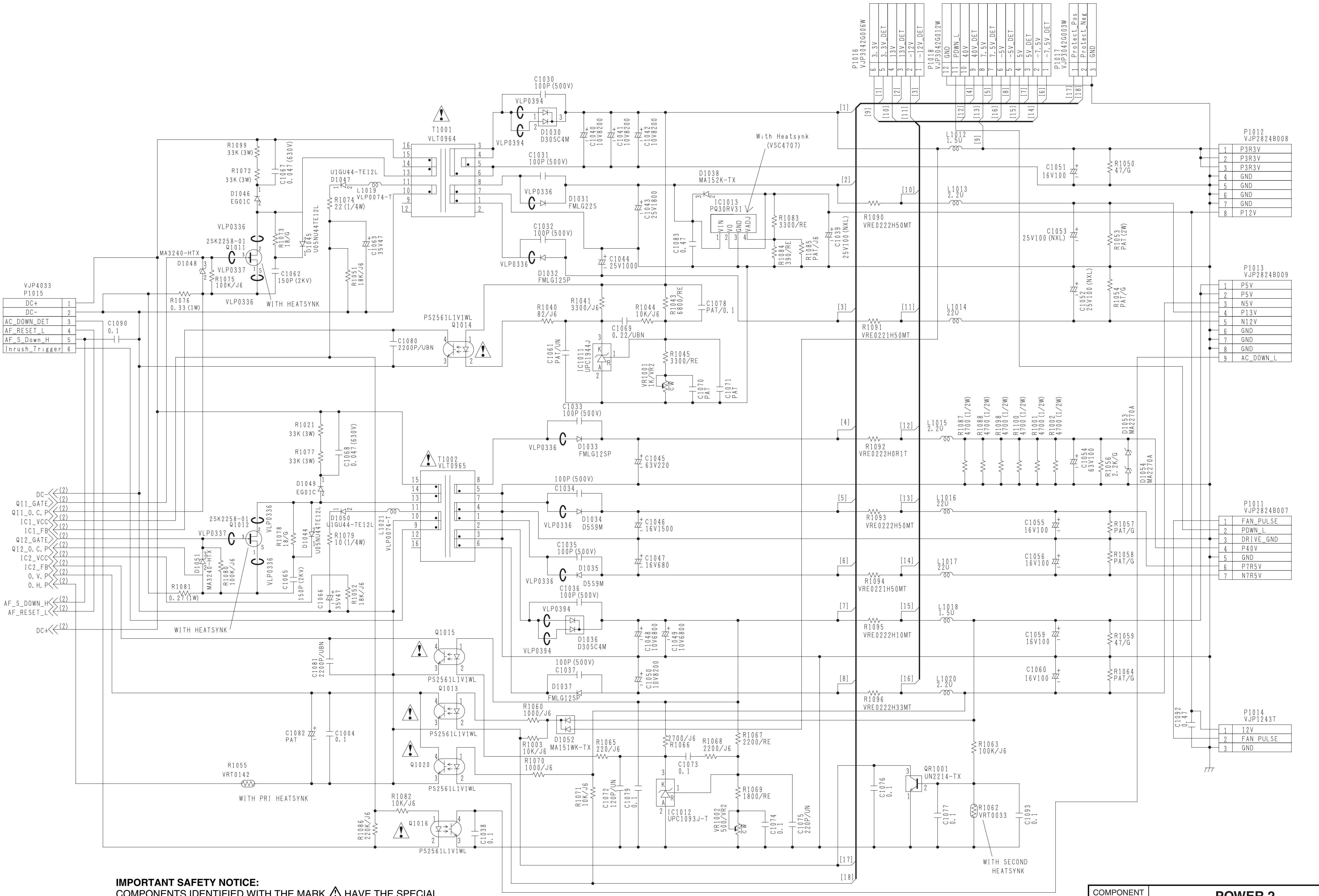

TO DISK Power
Fuse1
AC_inlet VJP0083-1
TO_Chassis
*AC_SW
P1101 VJP2638
COLD
HOT
P1102 VJP2639
HOT_SW_IN
HOT_SW_OUT
P1103 VJP2639
COLD_SW_OUT
COLD_SW_IN
OPTION/VJW0023=10
J1101
C1105 100P
C1101 0.22(250V)
R1101 330K
C1106 100P
L1101 ELF21N030A
L1102 ELF21N030A
C1102 470P
C1103 470P
C1104 0.47(250V)
C1139 PAT
C1140 PAT
ELF21N030A L1103
C1137 PAT
C1138 PAT
L1104 ELF18D604F
C1107 1500P
C1108 1500P
R1116 220/J6
D1106 ERA15-08V5
R1115 220/J6
D1105 ERA15-08V5
D1101 RBV606
C1109 1000P
R1103 10(3W)
R1102 10(3W)
C1110 0.1
10K/J6 R1104
D1102 TM1661S-L
WITH HEATSYNK
R1147 220/G
C1112 VCK0293 3.3U
L1105 VLQ0820
D1103 U1GU44-TE12L
WITH HEATSYNK
2SK1941-01R Q1101
2SK1941-01R Q1102
22/G R1105 C1115 470P(2KV) C1116
470P(2KV)
D1104 FML-36S
C1119 470P(2KV)
C1120 470P(2KV)
R1106 22/G
R1107 50mΩ (2W) VRE0206
C1117 450V150 (MC)
C1118 450V150 (MC)
R1148 150K(1/2W)
R1149 150K(1/2W)
R1150 150K(1/2W)
IC1103 M51953BL
VCC NC GND C OUT
R1165 27K/J6
R1121 PAT/J6
R1151 22K/RE
C1111 0.1
C1122 50V10(NXL)
R1152 PAT/J6
R1164 PAT/J6
R1166 1000/J6
R1110 10(1/4W)
R1108 10(1/4W)
U1GU44-TE12L D1112
R1111 22(1/4W)
U1GU44-TE12L D1113
R1109 22(1/4W)
R1179 PAT/J6
Q1103 2SJ278-TR
R1153 68K(1/2W)
R1154 68K(1/2W)
R1113 68K(1/2W)
R1122 68K(1/2W)
R1124 68K(1/2W)
R1126 68K(1/2W)
10(1/4W) R1112
D1111 U1GU44-TE12L
R1171 100K/J6
UN2112-TX QR1101
R1172 100K/J6
C1113 0.1
C1114 PAT/UN
R1114 12K/J6
D1128 MA10704
D1127 SFPB-76V
D1123 MA3200-MTX
D1124 MA3200-MTX
C1128 63V100
R1132 0/J6
IC1101 MC33262P
VCC OUT GND ZCD V_FB COMP MP C_SNS
R1117 33K(3W)
R1118 33K(3W)
R1177 150K(1/2W)
R1178 150K(1/2W)
R1181 150K(1/2W)
R1182 150K(1/2W)
R1183 150K(1/2W)
R1123 470K(1/4W)
R1129 470K(1/4W)
IC1102 M51945BL
VCC IN GND NC OUT
R1119 27K/RE
R1120 18K/RE
R1160 220K/RE
R1163 470K/J6
R1162 330K/RE
R1161 100K/J6
R1158 0/J6
C1121 50V10 (XLV)
MA3200-MTX D1107
MA3200-MTX D1108
C1136 50V1
D1118 MA3200-MTX
D1119 MA3200-MTX
R1173 220K/J6
R1174 47K/J6
D1120 MA3220-MTX
R1175 PAT/J6
R1176 47K/J6
Q1106 XN1501-TX
C1123 0.1
R1125 0/J6
D1126 MA3068-MTX
D1125 MA152K-GTX
QR1103 UN2113-TX
C1142 0.01/UBN
D1110 MA152K-TX
C1125 0.47
R1130 10K/J6
C1126 1000P/UBN
C1127 0.68(V)
R1131 220/J6
D1114 MA3068-MTX
R1134 220K(1/2W)
R1135 220K(1/2W)
R1136 150K(1/2W)
R1138 4700(1/2W)
C1131 0.0022
R1139 150K(1/2W)
R1140 150K(1/2W)
R1141 150K(1/2W)
500/VR1 VR1102
R1159 100K/J6
R1143 220K(1/2W)
R1144 220K(1/2W)
D1115 MA3068-MTX
R1145 10K/J6
D1116 MA3200-MTX
C1129 2200P/UBN
R1133 39/J6
R1155 10K/J6
R1137 10K/J6
C1130 0.1
R1142 2700/RE
C1134 4700P/UBN
R1156 10K/J6
C1132 0.1
R1146 VRT0142
WITH HEATSYNK
VJP4033 P1104
DC+
DC-
AC_DOWN_DET
AF_RESET_L
AF_S_Down_H
Inrush_Trigger
QR1105 UN2213-TX
C1141 0.01/UBN
QR1104 UN2213-TX
QR1102 UN2213-TX
C1135 1/UFN
R1180 PAT/J6
D1122 MA152K-TX
R1157 PAT/J6
C1133 0.1
D1109 MA152K-TX

COMPARISON CHART

Ref. No.	NTSC	PAL
Fuse 1	XBA1C50NB5	XBA2C40TH15

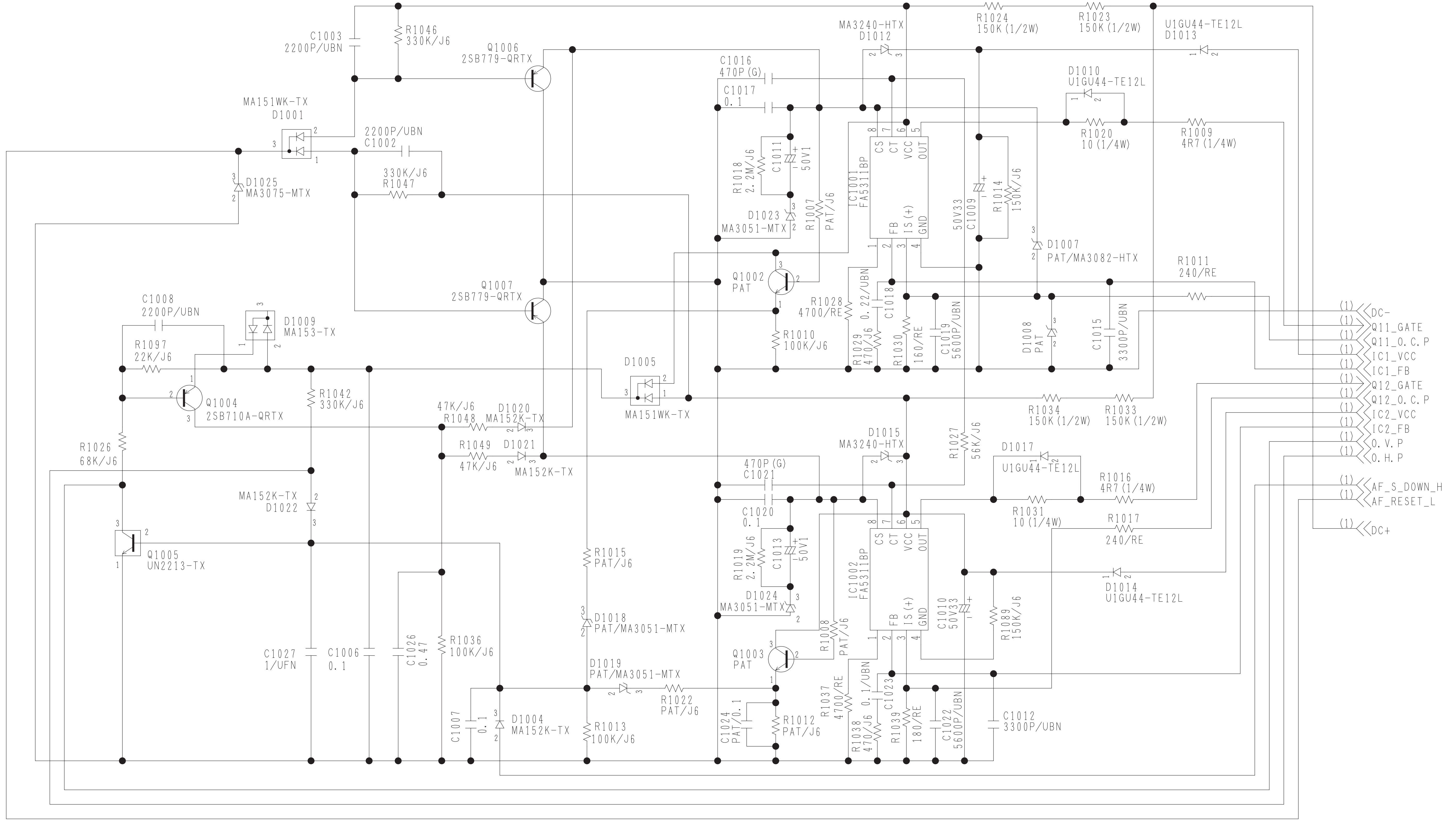
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

COMPONENT NAME	POWER 1	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81200B	KR1D92 (1/1) -1	
	SCM177	

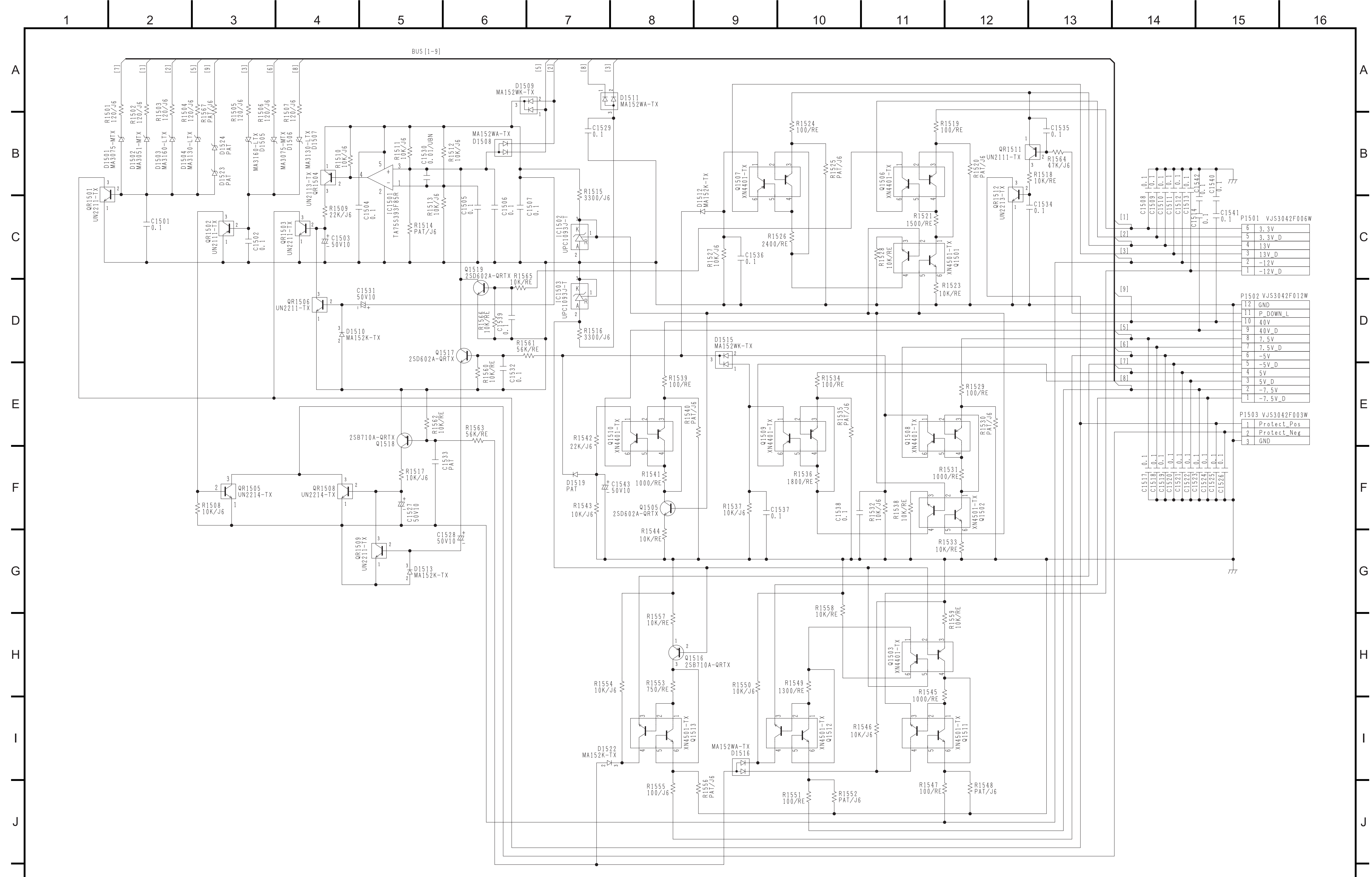

P1016
VJP3042G006W
3.3V
3.3V_DET
13V
13V_DET
-12V
-12V_DET
P1018
VJP3042G012W
GND
PDWN_L
40V
40V_DET
7.5V
7.5V_DET
-5V
-5V_DET
5V
5V_DET
-7.5V
-7.5V_DET
P1017
VJP3042G003W
Protect_Pos
Protect_Neg
GND
C1030
100P(500V)
VLP0394
D1030
D30SC4M
T1001
VLT0964
C1040
10V8200
C1041
10V8200
C1042
10V8200
With Heatsynk
(VSC4707)
P1012
VJP2824B008
P3R3V
GND
P12V
L1012
1.5U
C1051
16V100
R1050
47/G
R1099
33K(3W)
C1067
0.047(630V)
R1072
33K(3W)
D1046
EG01C
U1GU44-TE12L
D1047
L1019
VLP0074-T
R1074
22(1/4W)
C1031
100P(500V)
VLP0336
D1031
FMLG22S
D1038
MA152K-TX
IC1013
PQ30RV31
VIN
VO
GND
VADJ
R1083
3300/RE
R1090
VRE0222H50MT
L1013
2.2U
C1053
25V100(NXL)
R1053
PAT(2W)
VLP0336
2SK2258-01
Q1011
R1073
18/G
D1045
U05NU44TE12L
C1063
35V47
C1032
100P(500V)
C1043
25V1800
C1083
0.47
R1084
390/RE
R1085
PAT/J6
C1039
25V100(NXL)
MA3240-HTX
D1048
VLP0337
R1075
100K/J6
C1062
150P(2KV)
R1051
18K/J6
C1044
25V1000
D1032
FMLG12SP
VLP0336
WITH HEATSYNK
VJP4033
P1015
DC+
DC-
AC_DOWN_DET
AF_RESET_L
AF_S_Down_H
Inrush_Trigger
R1076
0.33(1W)
C1090
0.1
PS2561L1V1WL
Q1014
C1080
2200P/UBN
R1040
82/J6
R1041
3300/J6
R1044
10K/J6
R1043
6800/RE
C1078
PAT/0.1
C1069
0.22/UBN
C1061
PAT/UN
IC1011
UPC1944J
R1045
3300/RE
VR1001
1K/VR2
C1070
PAT
C1071
PAT
P1013
VJP2824B009
P5V
N5V
P13V
N12V
AC_DOWN_L
L1014
22U
R1091
VRE0221H50MT
C1052
25V100(NXL)
R1054
PAT/G
C1033
100P(500V)
D1033
FMLG12SP
R1021
33K(3W)
C1068
0.047(630V)
R1077
33K(3W)
T1002
VLT0965
C1045
63V220
L1015
2.2U
R1092
VRE0222H0R1T
R1087
R1088
R1098
R1100
R1001
R1002
4700(1/2W)
C1054
63V100
R1056
2.2K/G
D1053
MA2270A
D1054
MA2270A
DC-
Q11_GATE
Q11_O.C.P
IC1_VCC
IC1_FB
Q12_GATE
Q12_O.C.P
IC2_VCC
IC2_FB
O.V.P
O.H.P
AF_S_DOWN_H
AF_RESET_L
DC+
D1049
EG01C
D1050
U1GU44-TE12L
L1021
VLP0074-T
R1079
10(1/4W)
2SK2258-01
Q1012
R1078
18/G
D1044
U05NU44TE12L
C1034
100P(500V)
D1034
D5S9M
C1046
16V1500
R1093
VRE0222H50MT
L1016
22U
C1055
16V100
R1057
PAT/G
P1011
VJP2824B007
FAN_PULSE
PDWN_L
DRIVE_GND
P40V
GND
P7R5V
N7R5V
D1051
MA3240-HTX
R1080
100K/J6
R1081
0.27(1W)
C1065
150P(2KV)
C1066
35V47
R1052
18K/J6
C1035
100P(500V)
D1035
D5S9M
C1047
16V680
R1094
VRE0221H50MT
L1017
22U
C1056
16V100
R1058
PAT/G
C1036
100P(500V)
D1036
D30SC4M
C1048
10V6800
C1049
10V6800
R1095
VRE0222H10MT
L1018
1.5U
C1059
16V100
R1059
47/G
Q1015
C1081
2200P/UBN
C1037
100P(500V)
D1037
FMLG12SP
C1050
10V8200
R1096
VRE0222H33MT
L1020
2.2U
C1060
16V100
R1064
PAT/G
Q1013
R1060
1000/J6
D1052
MA151WK-TX
R1003
10K/J6
R1065
220/J6
R1066
2700/J6
R1068
2200/J6
R1067
2200/RE
R1063
100K/J6
C1092
0.47
P1014
VJP1243T
12V
FAN PULSE
GND
C1082
PAT
C1004
0.1
R1055
VRT0142
WITH PRI HEATSYNK
Q1020
R1070
1000/J6
C1073
0.1
R1071
10K/J6
C1072
120P/UN
C1079
0.1
IC1012
UPC1093J-T
R1069
1800/RE
VR1002
500/VR2
C1074
0.1
C1075
220P/UN
C1076
0.1
QR1001
UN2214-TX
C1077
0.1
R1062
VRT0033
C1093
0.1
WITH SECOND
HEATSYNK
R1082
10K/J6
R1086
220K/J6
Q1016
C1038
0.1
PS2561L1V1WL

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

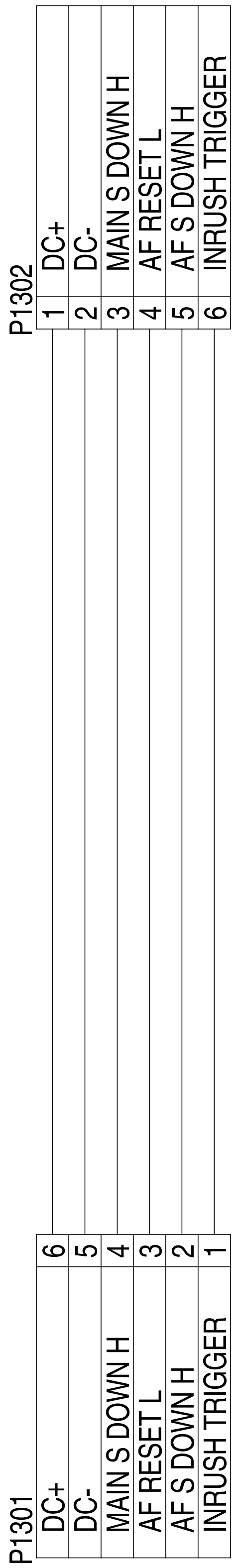
COMPONENT NAME	POWER 2	01/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81201A		KR1D93 (1/2) - 1
		SCM178


C1003
2200P/UBN
R1046
330K/J6
Q1006
2SB779-QRTX
MA151WK-TX
D1001
2200P/UBN
C1002
330K/J6
R1047
D1025
MA3075-MTX
Q1007
2SB779-QRTX
C1008
2200P/UBN
D1009
MA153-TX
R1097
22K/J6
Q1004
2SB710A-QRTX
R1042
330K/J6
47K/J6
R1048
D1020
MA152K-TX
R1049
47K/J6
D1021
MA152K-TX
R1026
68K/J6
MA152K-TX
D1022
Q1005
UN2213-TX
C1027
1/UFN
C1006
0.1
C1026
0.47
R1036
100K/J6
C1007
0.1
D1004
MA152K-TX
D1005
MA151WK-TX
R1015
PAT/J6
D1018
PAT/MA3051-MTX
D1019
PAT/MA3051-MTX
R1022
PAT/J6
R1013
100K/J6
C1016
470P(G)
C1017
0.1
R1018
2.2M/J6
C1011
50V1
D1023
MA3051-MTX
R1007
PAT/J6
Q1002
PAT
R1028
4700/RE
R1010
100K/J6
IC1001
FA5311BP
CS CT VCC OUT
FB IS(+) GND
MA3240-HTX
D1012
R1024
150K(1/2W)
R1023
150K(1/2W)
U1GU44-TE12L
D1013
D1010
U1GU44-TE12L
R1020
10(1/4W)
R1009
4R7(1/4W)
50V33
C1009
R1014
150K/J6
D1007
PAT/MA3082-HTX
R1011
240/RE
R1029
470/J6
C1018
0.22/UBN
R1030
160/RE
C1019
5600P/UBN
D1008
PAT
C1015
3300P/UBN
R1034
150K(1/2W)
R1033
150K(1/2W)
D1015
MA3240-HTX
R1027
56K/J6
D1017
U1GU44-TE12L
R1016
4R7(1/4W)
470P(G)
C1021
C1020
0.1
R1031
10(1/4W)
R1017
240/RE
R1019
2.2M/J6
C1013
50V1
D1024
MA3051-MTX
IC1002
FA5311BP
CS CT VCC OUT
FB IS(+) GND
C1010
50V33
R1089
150K/J6
D1014
U1GU44-TE12L
Q1003
PAT
R1008
PAT/J6
R1037
4700/RE
C1023
0.1/UBN
R1038
470/J6
R1039
180/RE
C1022
5600P/UBN
C1012
3300P/UBN
C1024
PAT/0.1
R1012
PAT/J6
(1) DC-
(1) Q11_GATE
(1) Q11_O.C.P
(1) IC1_VCC
(1) IC1_FB
(1) Q12_GATE
(1) Q12_O.C.P
(1) IC2_VCC
(1) IC2_FB
(1) O.V.P
(1) O.H.P
(1) AF_S_DOWN_H
(1) AF_RESET_L
(1) DC+

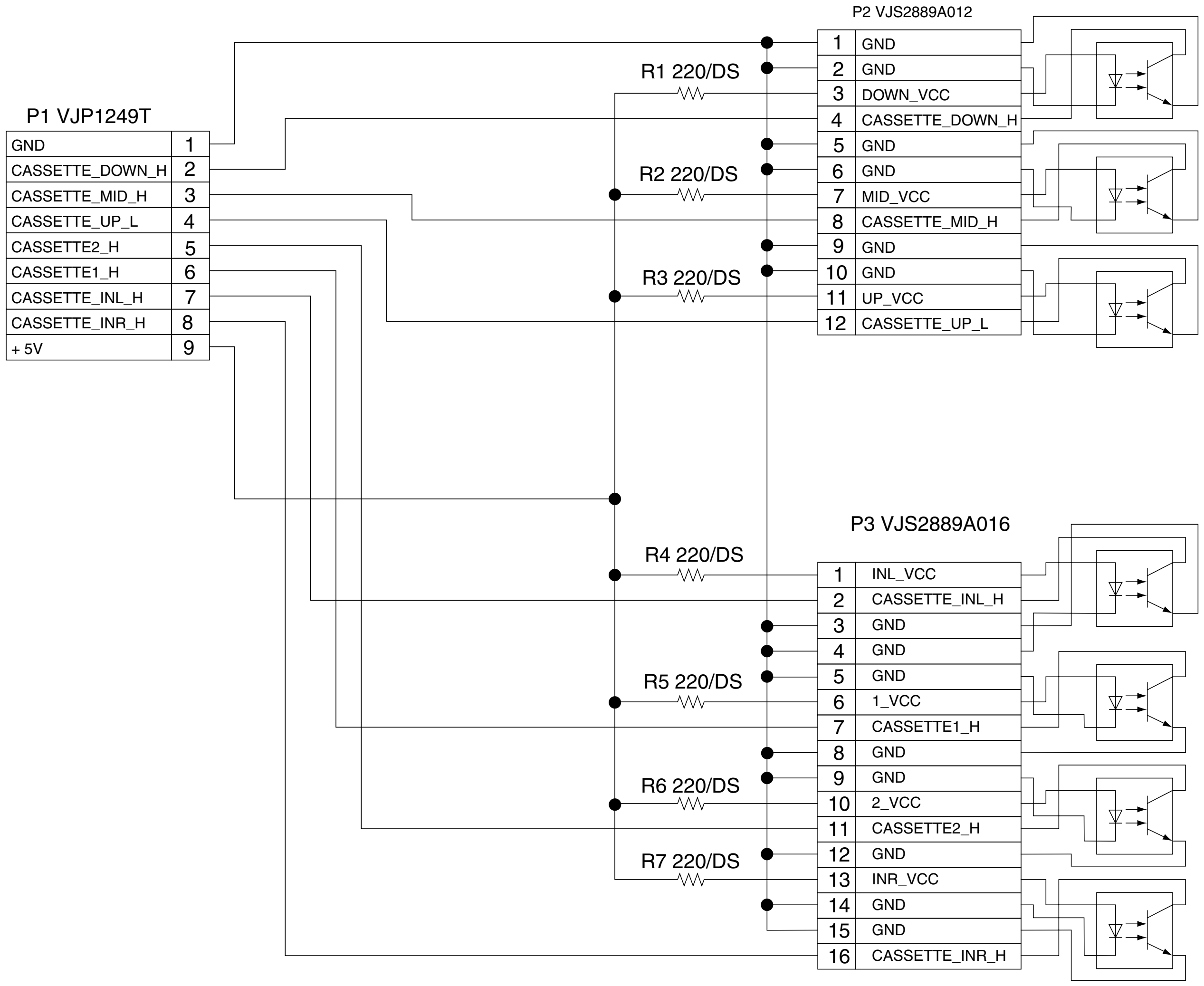
COMPONENT NAME	POWER 2	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81201A		KR1D93 (2/2) - 2
		SCM179


BUS[1-9]
[7]
[1]
[2]
[5]
[9]
[3]
[6]
[8]
R1501 120/J6
R1502 120/J6
R1503 120/J6
R1504 120/J6
R1567 PAT/J6
R1505 120/J6
R1506 120/J6
R1507 120/J6
D1501 MA3075-MTX
D1502 MA3051-MTX
D1503 MA3160-LTX
D1504 MA3130-LTX
D1523 PAT
D1524 PAT
MA3160-LTX D1505
MA3075-MTX D1506
MA3130-LTX D1507
QR1501 UN2211-TX
QR1502 UN2211-TX
QR1503 UN2211-TX
UN2113-TX QR1504
C1501 0.1
C1502 0.1
R1509 22K/J6
C1503 50V10
R1510 10K/J6
C1504 0.1
IC1501 TA75S393F85R
R1511 10K/J6
C1530 0.01/UBN
R1512 10K/J6
R1513 10K/J6
R1514 PAT/J6
C1505 0.1
C1506 0.1
C1507 0.1
D1509 MA152WK-TX
MA152WA-TX D1508
D1511 MA152WA-TX
C1529 0.1
R1515 3300/J6
IC1502 UPC1093J-T
IC1503 UPC1093J-T
R1516 3300/J6
K
A
R
Q1519 2SD602A-QRTX
R1565 10K/RE
R1566 10K/RE
C1539 0.1
R1561 56K/RE
QR1506 UN2211-TX
C1531 50V10
D1510 MA152K-TX
Q1517 2SD602A-QRTX
R1560 10K/RE
C1532 0.1
R1562 10K/RE
2SB710A-QRTX Q1518
R1563 56K/RE
C1533 PAT
R1517 10K/J6
C1527 50V10
C1528 50V10
QR1505 UN2214-TX
QR1508 UN2214-TX
R1508 10K/J6
QR1509 UN2211-TX
D1513 MA152K-TX
D1512 MA152K-TX
R1524 100/RE
Q1507 XN4401-TX
R1525 PAT/J6
R1526 2400/RE
R1527 10K/J6
C1536 0.1
R1519 100/RE
Q1506 XN4401-TX
R1520 PAT/J6
R1521 1500/RE
R1522 10K/RE
Q1501 XN4501-TX
R1523 10K/RE
C1535 0.1
QR1511 UN2111-TX
R1564 47K/J6
R1518 10K/RE
QR1512 UN2213-TX
C1534 0.1
D1515 MA152WK-TX
R1539 100/RE
Q1510 XN4401-TX
R1540 PAT/J6
R1542 22K/J6
R1541 1000/RE
D1519 PAT
C1543 50V10
R1543 10K/J6
Q1505 2SD602A-QRTX
R1544 10K/RE
R1534 100/RE
Q1509 XN4401-TX
R1535 PAT/J6
R1536 1800/RE
R1537 10K/J6
C1537 0.1
C1538 0.1
R1529 100/RE
Q1508 XN4401-TX
R1530 PAT/J6
R1531 1000/RE
R1532 10K/J6
R1538 10K/RE
Q1502 XN4501-TX
R1533 10K/RE
R1557 10K/RE
Q1516 2SB710A-QRTX
R1554 10K/J6
R1553 750/RE
Q1513 XN4501-TX
D1522 MA152K-TX
R1555 100/J6
R1556 PAT/J6
R1558 10K/RE
R1559 10K/RE
Q1503 XN4401-TX
R1550 10K/J6
R1549 1300/RE
Q1512 XN4501-TX
MA152WA-TX D1516
R1551 100/RE
R1552 PAT/J6
R1545 1000/RE
R1546 10K/J6
Q1511 XN4501-TX
R1547 100/RE
R1548 PAT/J6
C1508 0.1
C1509 0.1
C1510 0.1
C1511 0.1
C1512 0.1
C1513 0.1
C1514 0.1
C1542 0.1
C1540 0.1
C1541 0.1
P1501 VJS3042F006W
6 3.3V
5 3.3V_D
4 13V
3 13V_D
2 -12V
1 -12V_D
P1502 VJS3042F012W
12 GND
11 P_DOWN_L
10 40V
9 40V_D
8 7.5V
7 7.5V_D
6 -5V
5 -5V_D
4 5V
3 5V_D
2 -7.5V
1 -7.5V_D
P1503 VJS3042F003W
1 Protect_Pos
2 Protect_Neg
3 GND
C1517 0.1
C1518 0.1
C1519 0.1
C1520 0.1
C1521 0.1
C1522 0.1
C1523 0.1
C1524 0.1
C1525 0.1
C1526 0.1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K

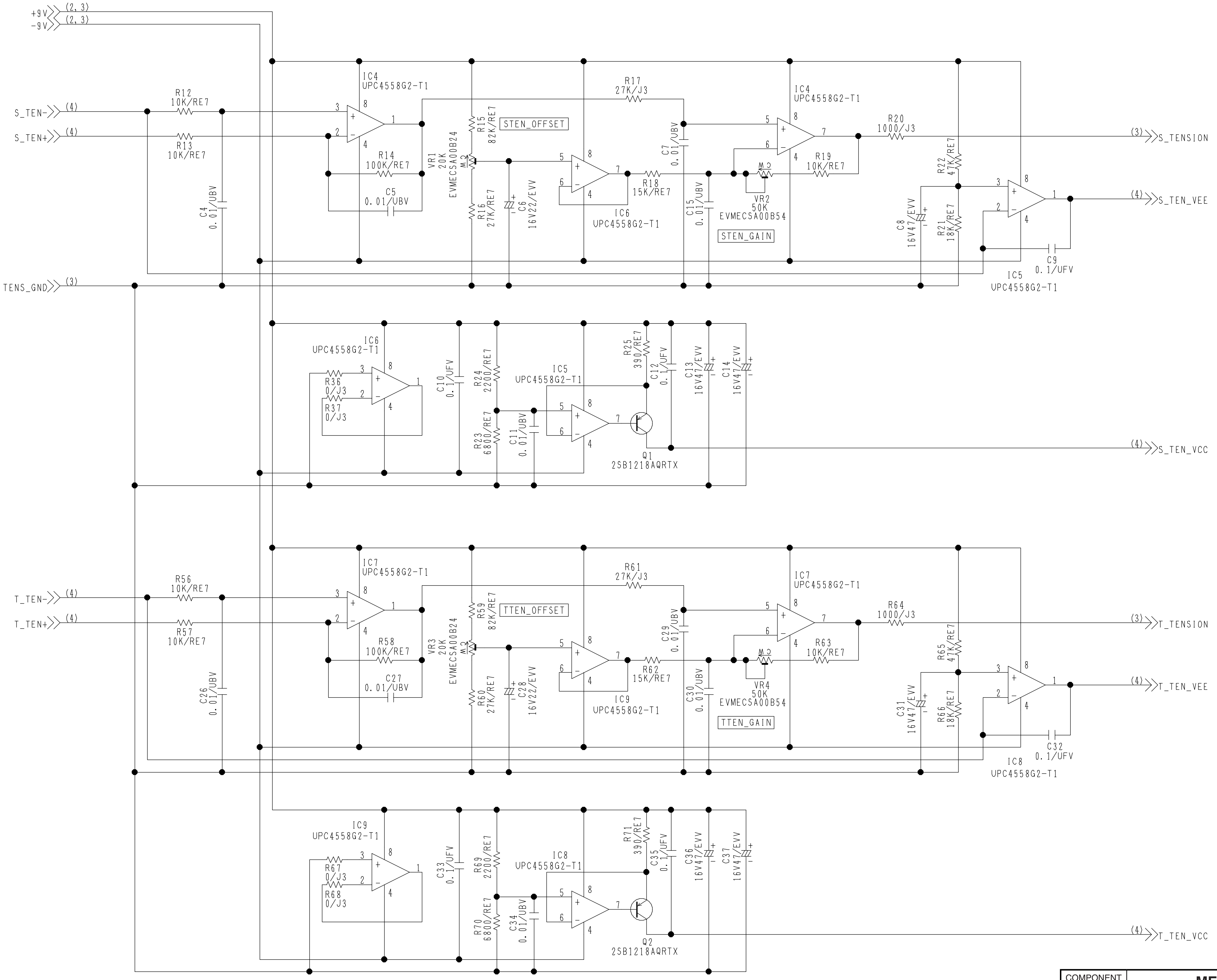
COMPONENT NAME	POWER PACK	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81202A	KR1D94 (1/1) -1	
	SCM180	


P1302
1 DC+
2 DC-
3 MAIN S DOWN H
4 AF RESET L
5 AF S DOWN H
6 INRUSH TRIGGER
P1301
1 DC+
2 DC-
3 MAIN S DOWN H
4 AF RESET L
5 AF S DOWN H
6 INRUSH TRIGGER

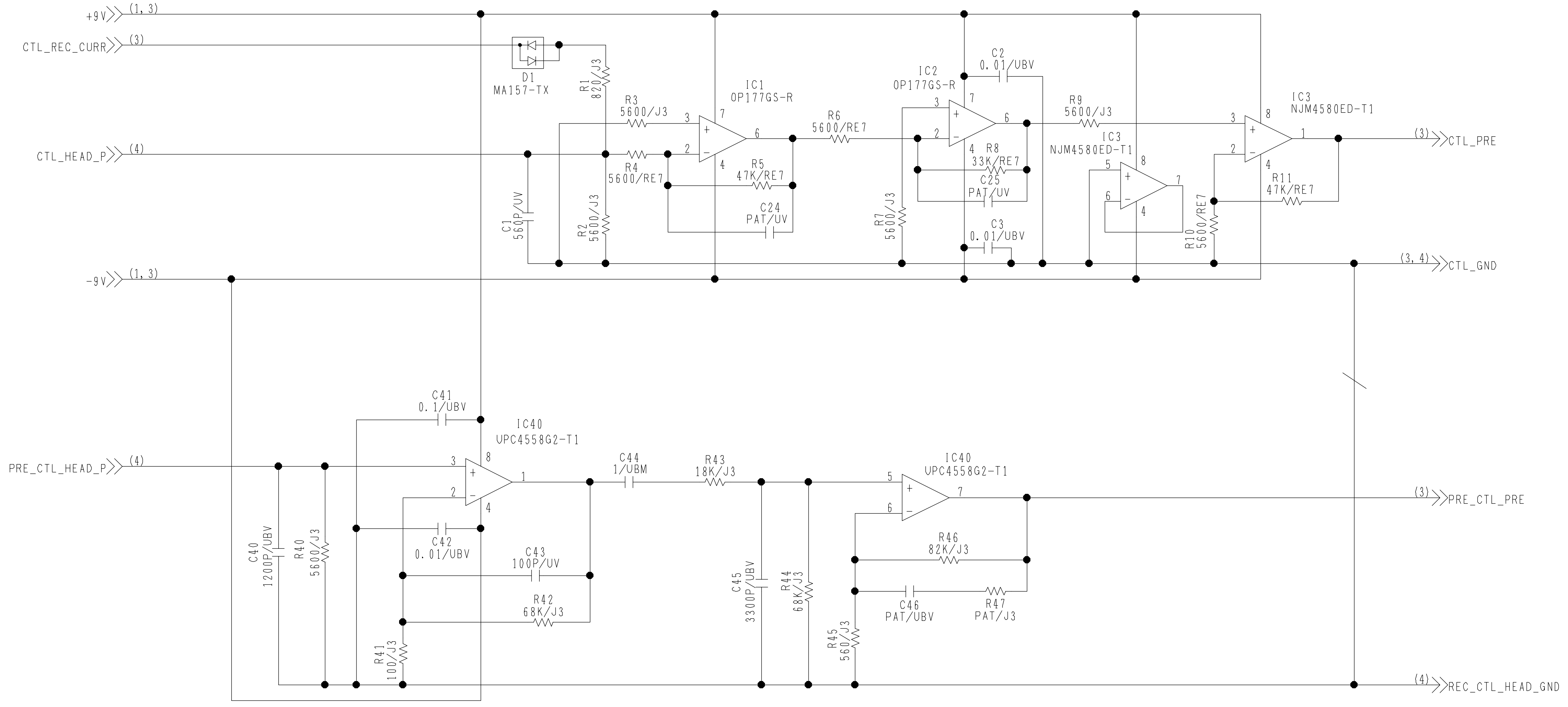
COMPONENT NAME	**POWER CONNECT**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80A58A	KR0K96 (1/1) -1	
	SCM181	


P1 VJP1249T
GND 1
CASSETTE_DOWN_H 2
CASSETTE_MID_H 3
CASSETTE_UP_L 4
CASSETTE2_H 5
CASSETTE1_H 6
CASSETTE_INL_H 7
CASSETTE_INR_H 8
+ 5V 9
P2 VJS2889A012
1 GND
2 GND
3 DOWN_VCC
4 CASSETTE_DOWN_H
5 GND
6 GND
7 MID_VCC
8 CASSETTE_MID_H
9 GND
10 GND
11 UP_VCC
12 CASSETTE_UP_L
R1 220/DS
R2 220/DS
R3 220/DS
R4 220/DS
R5 220/DS
R6 220/DS
R7 220/DS
P3 VJS2889A016
1 INL_VCC
2 CASSETTE_INL_H
3 GND
4 GND
5 GND
6 1_VCC
7 CASSETTE1_H
8 GND
9 GND
10 2_VCC
11 CASSETTE2_H
12 GND
13 INR_VCC
14 GND
15 GND
16 CASSETTE_INR_H

COMPONENT NAME	**CARRIGE**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80856A	KR0F29 (1/1) -1	
	SCM181	

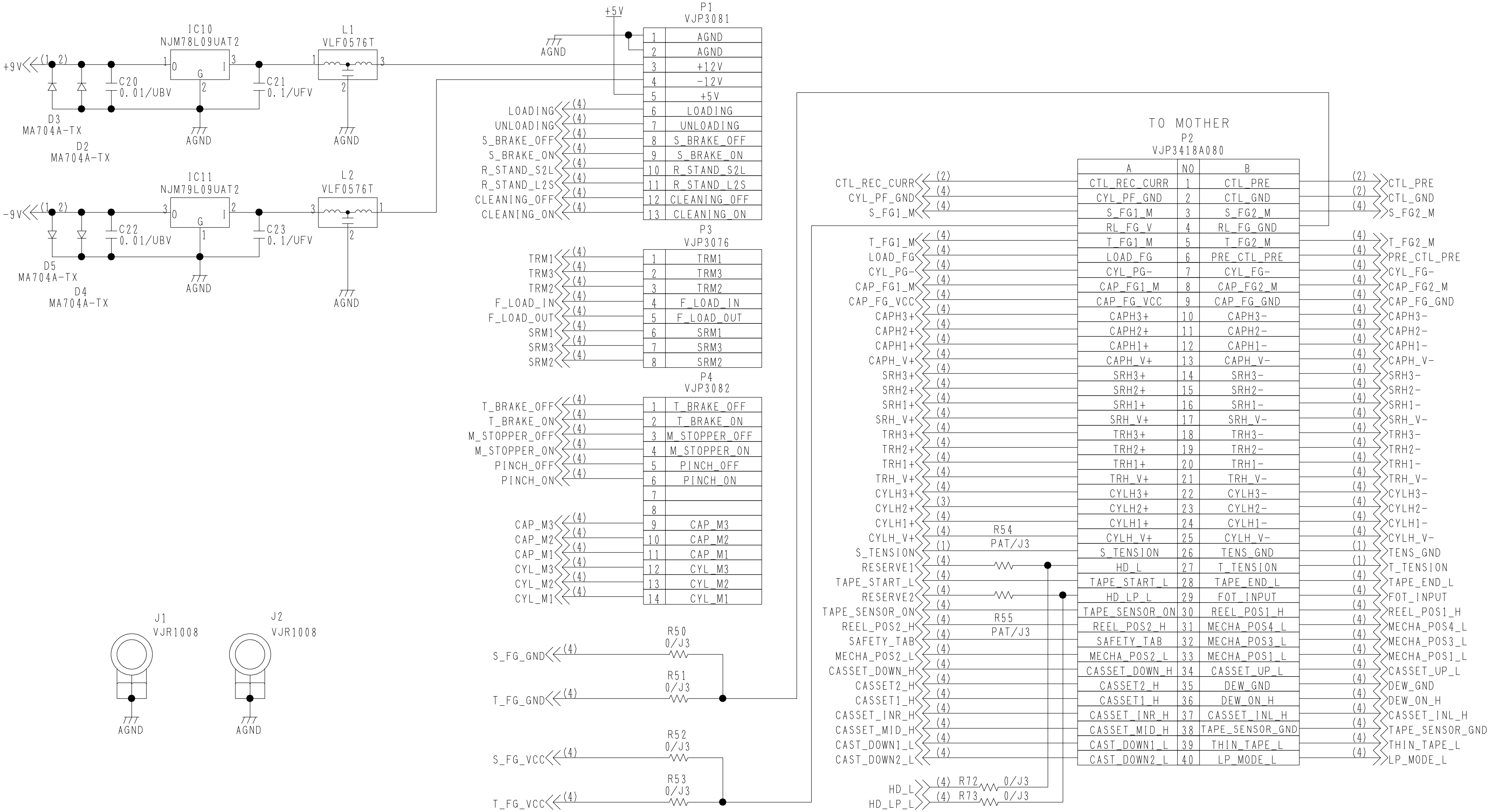

+9V (2, 3)
-9V (2, 3)
S_TEN- (4)
S_TEN+ (4)
TENS_GND (3)
R12 10K/RE7
R13 10K/RE7
C4 0.01/UBV
IC4 UPC4558G2-T1
R14 100K/RE7
C5 0.01/UBV
VR1 20K EVMECSA00B24
R15 82K/RE7
R16 27K/RE7
STEN_OFFSET
C6 16V22/EVV
IC6 UPC4558G2-T1
R17 27K/J3
R18 15K/RE7
C7 0.01/UBV
C15 0.01/UBV
VR2 50K EVMECSA00B54
STEN_GAIN
R19 10K/RE7
R20 1000/J3
R22 47K/RE7
R21 18K/RE7
C8 16V47/EVV
C9 0.1/UFV
IC5 UPC4558G2-T1
(3) S_TENSION
(4) S_TEN_VEE
IC6 UPC4558G2-T1
R36 0/J3
R37 0/J3
C10 0.1/UFV
R24 2200/RE7
R23 6800/RE7
C11 0.01/UBV
IC5 UPC4558G2-T1
R25 390/RE7
C12 0.1/UFV
C13 16V47/EVV
C14 16V47/EVV
Q1 2SB1218AQRTX
(4) S_TEN_VCC
T_TEN- (4)
T_TEN+ (4)
R56 10K/RE7
R57 10K/RE7
C26 0.01/UBV
IC7 UPC4558G2-T1
R58 100K/RE7
C27 0.01/UBV
VR3 20K EVMECSA00B24
R59 82K/RE7
R60 27K/RE7
TTEN_OFFSET
C28 16V22/EVV
IC9 UPC4558G2-T1
R61 27K/J3
R62 15K/RE7
C29 0.01/UBV
C30 0.01/UBV
VR4 50K EVMECSA00B54
TTEN_GAIN
R63 10K/RE7
R64 1000/J3
R65 47K/RE7
R66 18K/RE7
C31 16V47/EVV
C32 0.1/UFV
IC8 UPC4558G2-T1
(3) T_TENSION
(4) T_TEN_VEE
IC9 UPC4558G2-T1
R67 0/J3
R68 0/J3
C33 0.1/UFV
R69 2200/RE7
R70 6800/RE7
C34 0.01/UBV
IC8 UPC4558G2-T1
R71 390/RE7
C35 0.1/UFV
C36 16V47/EVV
C37 16V47/EVV
Q2 2SB1218AQRTX
(4) T_TEN_VCC

COMPONENT NAME	MECHA I/F	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82231A		KR2D54 (1/4) -1
		SCM182

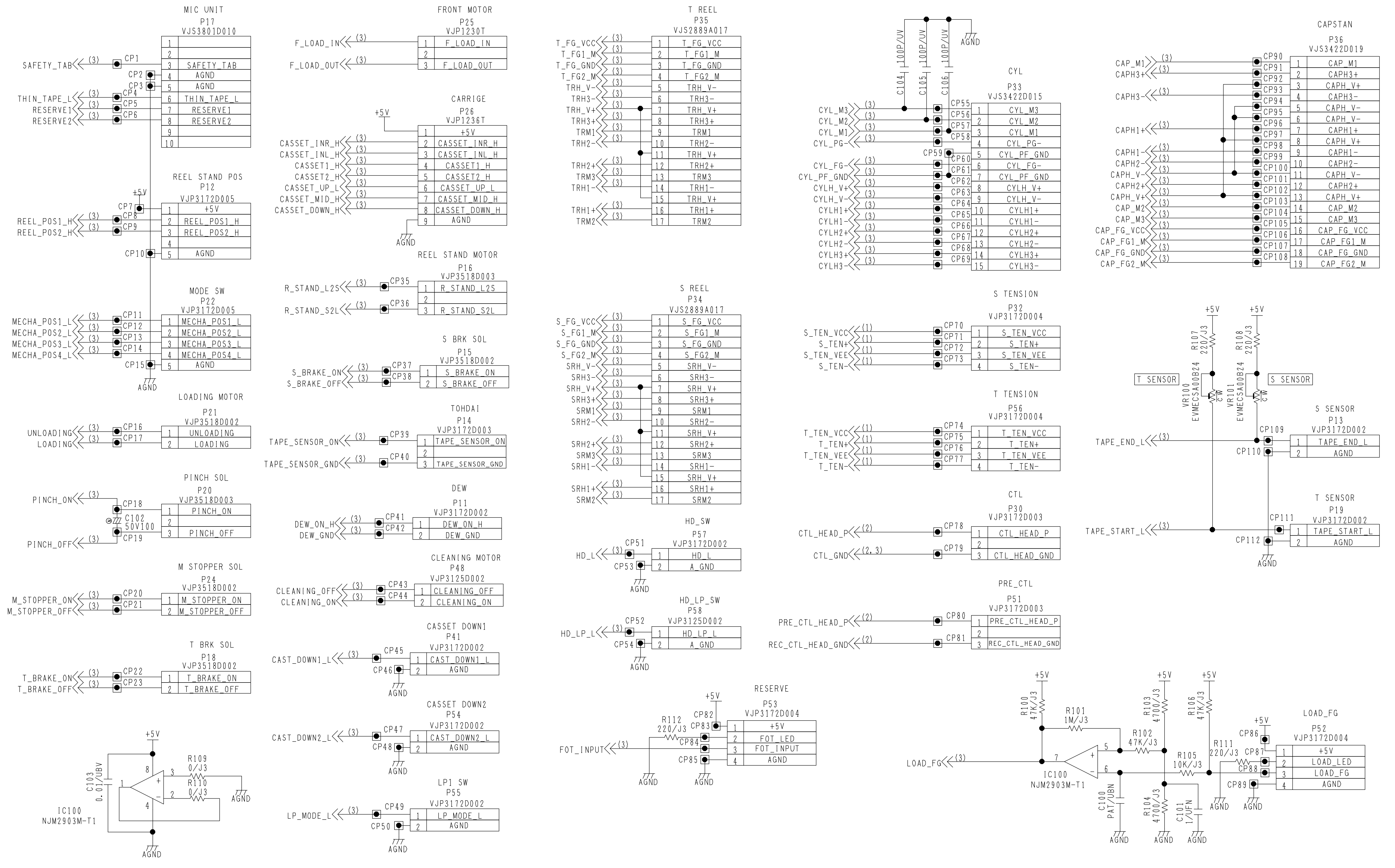


+9V
(1, 3)
CTL_REC_CURR
(3)
CTL_HEAD_P
(4)
-9V
(1, 3)
D1
MA157-TX
R1
820/J3
R2
5600/J3
R3
5600/J3
R4
5600/RE7
R5
47K/RE7
R6
5600/RE7
R7
5600/J3
R8
33K/RE7
R9
5600/J3
R10
5600/RE7
R11
47K/RE7
C1
560P/UV
C2
0.01/UBV
C3
0.01/UBV
C24
PAT/UV
C25
PAT/UV
IC1
OP177GS-R
IC2
OP177GS-R
IC3
NJM4580ED-T1
IC3
NJM4580ED-T1
(3)
CTL_PRE
(3, 4)
CTL_GND
PRE_CTL_HEAD_P
(4)
C40
1200P/UBV
R40
5600/J3
C41
0.1/UBV
IC40
UPC4558G2-T1
C42
0.01/UBV
C43
100P/UV
R42
68K/J3
R41
100/J3
C44
1/UBM
R43
18K/J3
C45
3300P/UBV
R44
68K/J3
R45
560/J3
IC40
UPC4558G2-T1
R46
82K/J3
C46
PAT/UBV
R47
PAT/J3
(3)
PRE_CTL_PRE
(4)
REC_CTL_HEAD_GND

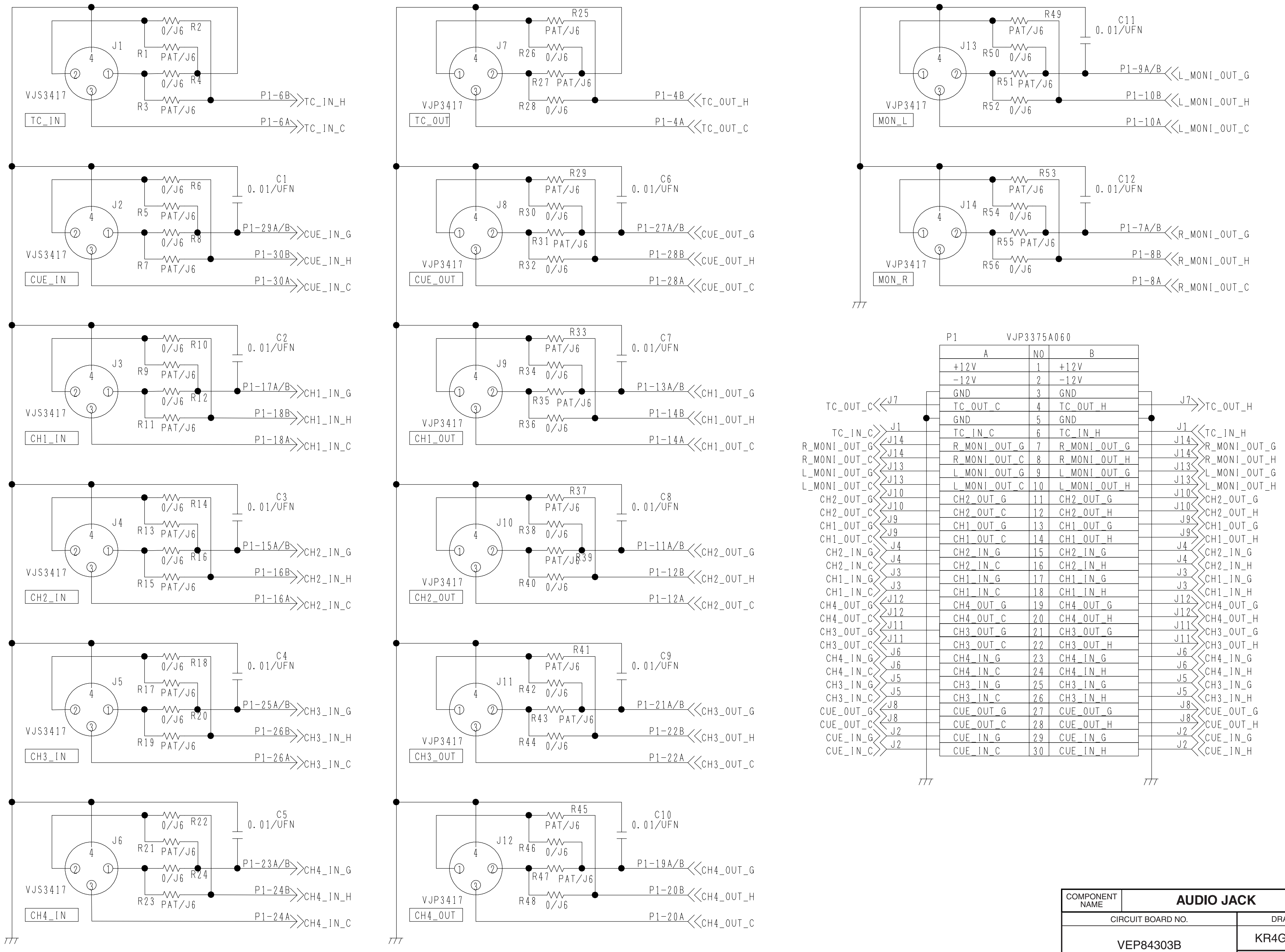
COMPONENT NAME	MECHA I/F	02/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82231A		KR2D54 (2/4) - 2
		SCM183


IC10
NJM78L09UAT2
+9V
(1, 2)
C20
0.01/UBV
D3
MA704A-TX
D2
MA704A-TX
AGND
L1
VLF0576T
C21
0.1/UFV
IC11
NJM79L09UAT2
-9V
C22
0.01/UBV
D5
MA704A-TX
D4
MA704A-TX
L2
VLF0576T
C23
0.1/UFV
+5V
P1
VJP3081
1 AGND
2 AGND
3 +12V
4 -12V
5 +5V
6 LOADING
7 UNLOADING
8 S_BRAKE_OFF
9 S_BRAKE_ON
10 R_STAND_S2L
11 R_STAND_L2S
12 CLEANING_OFF
13 CLEANING_ON
P3
VJP3076
1 TRM1
2 TRM3
3 TRM2
4 F_LOAD_IN
5 F_LOAD_OUT
6 SRM1
7 SRM3
8 SRM2
P4
VJP3082
1 T_BRAKE_OFF
2 T_BRAKE_ON
3 M_STOPPER_OFF
4 M_STOPPER_ON
5 PINCH_OFF
6 PINCH_ON
7
8
9 CAP_M3
10 CAP_M2
11 CAP_M1
12 CYL_M3
13 CYL_M2
14 CYL_M1
J1
VJR1008
J2
VJR1008
R50 0/J3 S_FG_GND
R51 0/J3 T_FG_GND
R52 0/J3 S_FG_VCC
R53 0/J3 T_FG_VCC
TO MOTHER
P2
VJP3418A080
A | NO | B
CTL_REC_CURR | 1 | CTL_PRE
CYL_PF_GND | 2 | CTL_GND
S_FG1_M | 3 | S_FG2_M
RL_FG_V | 4 | RL_FG_GND
T_FG1_M | 5 | T_FG2_M
LOAD_FG | 6 | PRE_CTL_PRE
CYL_PG- | 7 | CYL_FG-
CAP_FG1_M | 8 | CAP_FG2_M
CAP_FG_VCC | 9 | CAP_FG_GND
CAPH3+ | 10 | CAPH3-
CAPH2+ | 11 | CAPH2-
CAPH1+ | 12 | CAPH1-
CAPH_V+ | 13 | CAPH_V-
SRH3+ | 14 | SRH3-
SRH2+ | 15 | SRH2-
SRH1+ | 16 | SRH1-
SRH_V+ | 17 | SRH_V-
TRH3+ | 18 | TRH3-
TRH2+ | 19 | TRH2-
TRH1+ | 20 | TRH1-
TRH_V+ | 21 | TRH_V-
CYLH3+ | 22 | CYLH3-
CYLH2+ | 23 | CYLH2-
CYLH1+ | 24 | CYLH1-
CYLH_V+ | 25 | CYLH_V-
S_TENSION | 26 | TENS_GND
HD_L | 27 | T_TENSION
TAPE_START_L | 28 | TAPE_END_L
HD_LP_L | 29 | FOT_INPUT
TAPE_SENSOR_ON | 30 | REEL_POS1_H
REEL_POS2_H | 31 | MECHA_POS4_L
SAFETY_TAB | 32 | MECHA_POS3_L
MECHA_POS2_L | 33 | MECHA_POS1_L
CASSET_DOWN_H | 34 | CASSET_UP_L
CASSET2_H | 35 | DEW_GND
CASSET1_H | 36 | DEW_ON_H
CASSET_INR_H | 37 | CASSET_INL_H
CASSET_MID_H | 38 | TAPE_SENSOR_GND
CAST_DOWN1_L | 39 | THIN_TAPE_L
CAST_DOWN2_L | 40 | LP_MODE_L
CTL_REC_CURR (2)
CYL_PF_GND (4)
S_FG1_M (4)
T_FG1_M (4)
LOAD_FG (4)
CYL_PG- (4)
CAP_FG1_M (4)
CAP_FG_VCC (4)
RESERVE1
RESERVE2
R54 PAT/J3
R55 PAT/J3
HD_L (4) R72 0/J3
HD_LP_L (4) R73 0/J3
(2) CTL_PRE
(2) CTL_GND
(4) S_FG2_M

COMPONENT NAME	MECHA I/F	03/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82231A	KR2D54 (3/4) - 3	
	SCM184	


MIC UNIT
P17
VJS3801D010
SAFETY_TAB
AGND
THIN_TAPE_L
RESERVE1
RESERVE2
CP1
CP2
CP3
CP4
CP5
CP6
REEL STAND POS
P12
VJP3172D005
+5V
REEL_POS1_H
REEL_POS2_H
CP7
CP8
CP9
CP10
MODE SW
P22
VJP3172D005
MECHA_POS1_L
MECHA_POS2_L
MECHA_POS3_L
MECHA_POS4_L
CP11
CP12
CP13
CP14
CP15
LOADING MOTOR
P21
VJP3518D002
UNLOADING
LOADING
CP16
CP17
PINCH SOL
P20
VJP3518D003
PINCH_ON
PINCH_OFF
CP18
CP19
C102
50V100
M STOPPER SOL
P24
VJP3518D002
M_STOPPER_ON
M_STOPPER_OFF
CP20
CP21
T BRK SOL
P18
VJP3518D002
T_BRAKE_ON
T_BRAKE_OFF
CP22
CP23
C103
0.01/UBV
R109
0/J3
R110
0/J3
IC100
NJM2903M-T1
FRONT MOTOR
P25
VJP1230T
F_LOAD_IN
F_LOAD_OUT
CARRIGE
P26
VJP1236T
CASSET_INR_H
CASSET_INL_H
CASSET1_H
CASSET2_H
CASSET_UP_L
CASSET_MID_H
CASSET_DOWN_H
REEL STAND MOTOR
P16
VJP3518D003
R_STAND_L2S
R_STAND_S2L
CP35
CP36
S BRK SOL
P15
VJP3518D002
S_BRAKE_ON
S_BRAKE_OFF
CP37
CP38
TOHDAI
P14
VJP3172D003
TAPE_SENSOR_ON
TAPE_SENSOR_GND
CP39
CP40
DEW
P11
VJP3172D002
DEW_ON_H
DEW_GND
CP41
CP42
CLEANING MOTOR
P48
VJP3125D002
CLEANING_OFF
CLEANING_ON
CP43
CP44
CASSET DOWN1
P41
VJP3172D002
CAST_DOWN1_L
CP45
CP46
CASSET DOWN2
P54
VJP3172D002
CAST_DOWN2_L
CP47
CP48
LP1 SW
P55
VJP3172D002
LP_MODE_L
CP49
CP50
T REEL
P35
VJS2889A017
T_FG_VCC
T_FG1_M
T_FG_GND
T_FG2_M
TRH_V-
TRH3-
TRH_V+
TRH3+
TRM1
TRH2-
TRH2+
TRM3
TRH1-
TRH1+
TRM2
S REEL
P34
VJS2889A017
S_FG_VCC
S_FG1_M
S_FG_GND
S_FG2_M
SRH_V-
SRH3-
SRH_V+
SRH3+
SRM1
SRH2-
SRH2+
SRM3
SRH1-
SRH1+
SRM2
HD_SW
P57
VJP3172D002
HD_L
A_GND
CP51
CP53
HD_LP_SW
P58
VJP3125D002
HD_LP_L
CP52
CP54
RESERVE
P53
VJP3172D004
FOT_LED
FOT_INPUT
R112
220/J3
CP82
CP83
CP84
CP85
C104
C105
C106
100P/UV
CYL
P33
VJS3422D015
CYL_M3
CYL_M2
CYL_M1
CYL_PG-
CYL_PF_GND
CYL_FG-
CYLH_V+
CYLH_V-
CYLH1+
CYLH1-
CYLH2+
CYLH2-
CYLH3+
CYLH3-
CP55
CP56
CP57
CP58
CP59
CP60
CP61
CP62
CP63
CP64
CP65
CP66
CP67
CP68
CP69
S TENSION
P32
VJP3172D004
S_TEN_VCC
S_TEN+
S_TEN_VEE
S_TEN-
CP70
CP71
CP72
CP73
T TENSION
P56
VJP3172D004
T_TEN_VCC
T_TEN+
T_TEN_VEE
T_TEN-
CP74
CP75
CP76
CP77
CTL
P30
VJP3172D003
CTL_HEAD_P
CTL_HEAD_GND
CTL_GND
CP78
CP79
PRE_CTL
P51
VJP3172D003
PRE_CTL_HEAD_P
REC_CTL_HEAD_GND
CP80
CP81
CAPSTAN
P36
VJS3422D019
CAP_M1
CAPH3+
CAPH_V+
CAPH3-
CAPH_V-
CAPH1+
CAPH1-
CAPH2-
CAPH2+
CAP_M2
CAP_M3
CAP_FG_VCC
CAP_FG1_M
CAP_FG_GND
CAP_FG2_M
CP90
CP91
CP92
CP93
CP94
CP95
CP96
CP97
CP98
CP99
CP100
CP101
CP102
CP103
CP104
CP105
CP106
CP107
CP108
T SENSOR
S SENSOR
R107
220/J3
R108
220/J3
VR100
VR101
EVMECSA00B24
S SENSOR
P13
VJP3172D002
TAPE_END_L
CP109
CP110
T SENSOR
P19
VJP3172D002
TAPE_START_L
CP111
CP112
LOAD_FG
P52
VJP3172D004
LOAD_LED
LOAD_FG
CP86
CP87
CP88
CP89
R100
47K/J3
R101
1M/J3
R102
47K/J3
R103
4700/J3
R104
4700/J3
R105
10K/J3
R106
47K/J3
R111
220/J3
C100
PAT/UBN
C101
1/UFN
IC100
NJM2903M-T1
+5V
AGND
(1)
(2)
(2, 3)
(3)

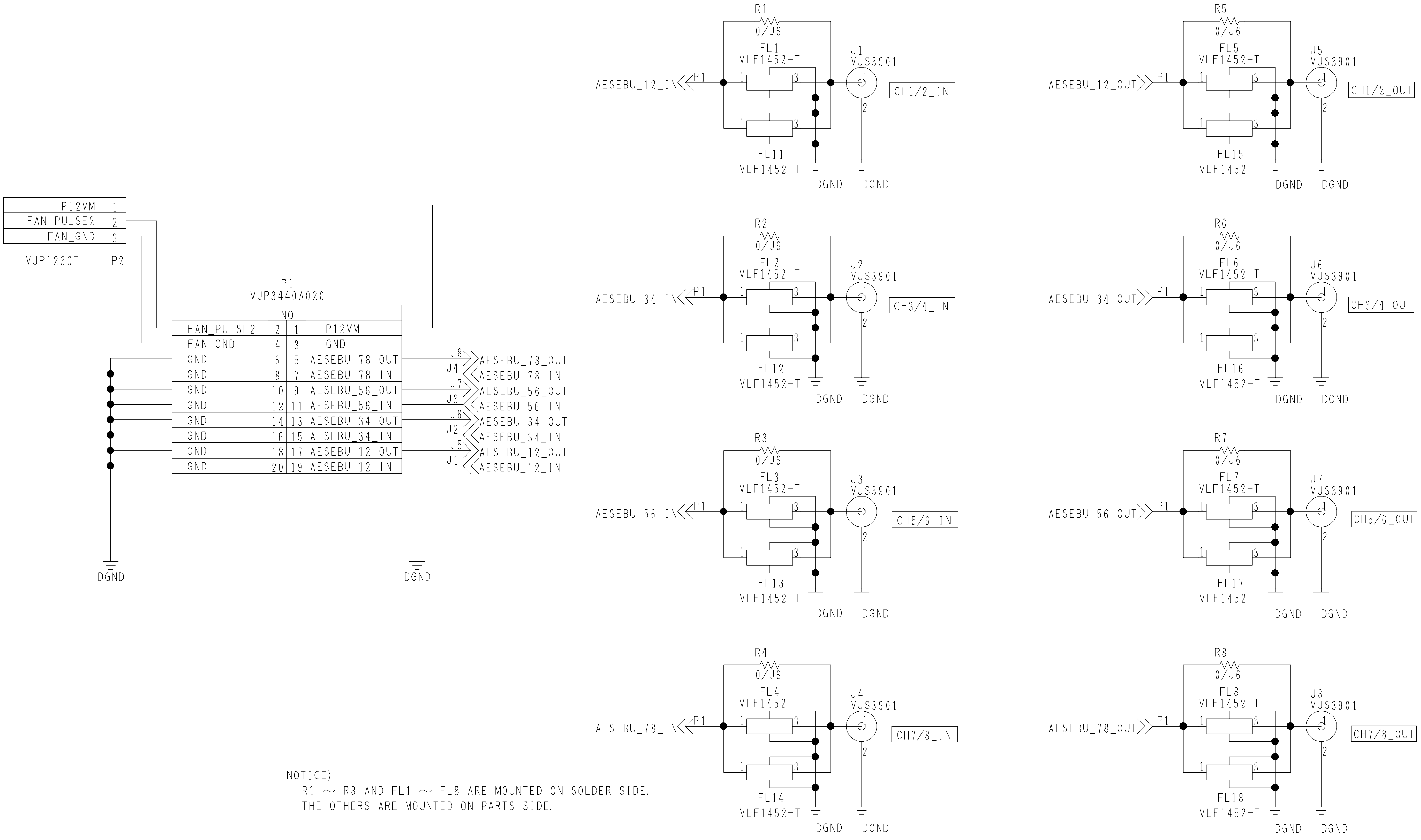
COMPONENT NAME	MECHA I/F	04/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82231A	KR2D54 (4/4) - 4	
	SCM185	


J1
VJS3417
TC_IN
R1
R2
R3
R4
0/J6
PAT/J6
P1-6B
TC_IN_H
P1-6A
TC_IN_C
J2
VJS3417
CUE_IN
R5
R6
R7
R8
C1
0.01/UFN
P1-29A/B
CUE_IN_G
P1-30B
CUE_IN_H
P1-30A
CUE_IN_C
J3
VJS3417
CH1_IN
R9
R10
R11
R12
C2
P1-17A/B
CH1_IN_G
P1-18B
CH1_IN_H
P1-18A
CH1_IN_C
J4
VJS3417
CH2_IN
R13
R14
R15
R16
C3
P1-15A/B
CH2_IN_G
P1-16B
CH2_IN_H
P1-16A
CH2_IN_C
J5
VJS3417
CH3_IN
R17
R18
R19
R20
C4
P1-25A/B
CH3_IN_G
P1-26B
CH3_IN_H
P1-26A
CH3_IN_C
J6
VJS3417
CH4_IN
R21
R22
R23
R24
C5
P1-23A/B
CH4_IN_G
P1-24B
CH4_IN_H
P1-24A
CH4_IN_C
J7
VJP3417
TC_OUT
R25
R26
R27
R28
P1-4B
TC_OUT_H
P1-4A
TC_OUT_C
J8
VJP3417
CUE_OUT
R29
R30
R31
R32
C6
P1-27A/B
CUE_OUT_G
P1-28B
CUE_OUT_H
P1-28A
CUE_OUT_C
J9
VJP3417
CH1_OUT
R33
R34
R35
R36
C7
P1-13A/B
CH1_OUT_G
P1-14B
CH1_OUT_H
P1-14A
CH1_OUT_C
J10
VJP3417
CH2_OUT
R37
R38
R39
R40
C8
P1-11A/B
CH2_OUT_G
P1-12B
CH2_OUT_H
P1-12A
CH2_OUT_C
J11
VJP3417
CH3_OUT
R41
R42
R43
R44
C9
P1-21A/B
CH3_OUT_G
P1-22B
CH3_OUT_H
P1-22A
CH3_OUT_C
J12
VJP3417
CH4_OUT
R45
R46
R47
R48
C10
P1-19A/B
CH4_OUT_G
P1-20B
CH4_OUT_H
P1-20A
CH4_OUT_C
J13
VJP3417
MON_L
R49
R50
R51
R52
C11
0.01/UFN
P1-9A/B
L_MONI_OUT_G
P1-10B
L_MONI_OUT_H
P1-10A
L_MONI_OUT_C
J14
VJP3417
MON_R
R53
R54
R55
R56
C12
0.01/UFN
P1-7A/B
R_MONI_OUT_G
P1-8B
R_MONI_OUT_H
P1-8A
R_MONI_OUT_C

P1 VJP3375A060

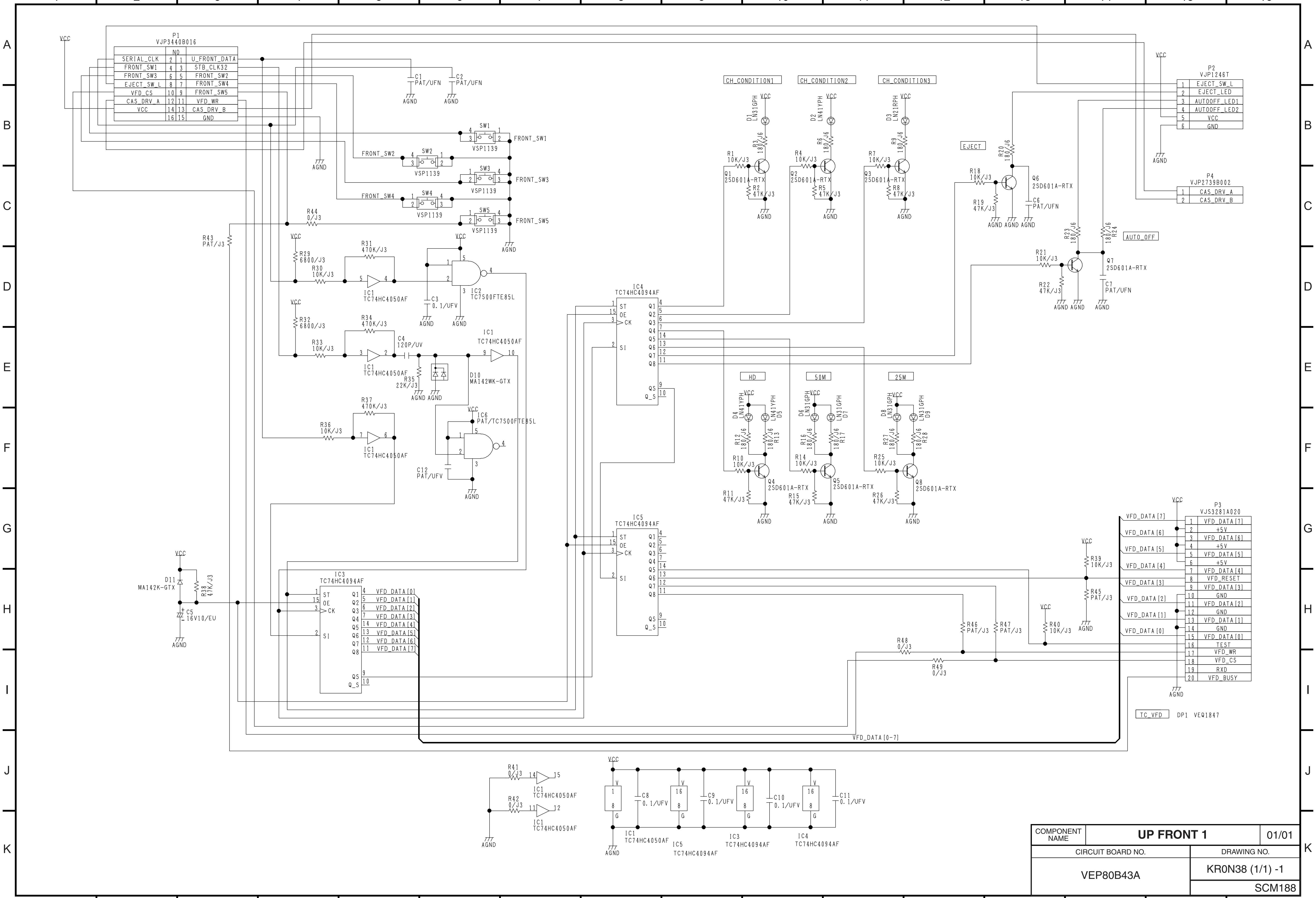
A	NO	B
+12V	1	+12V
-12V	2	-12V
GND	3	GND
TC_OUT_C	4	TC_OUT_H
GND	5	GND
TC_IN_C	6	TC_IN_H
R_MONI_OUT_G	7	R_MONI_OUT_G
R_MONI_OUT_C	8	R_MONI_OUT_H
L_MONI_OUT_G	9	L_MONI_OUT_G
L_MONI_OUT_C	10	L_MONI_OUT_H
CH2_OUT_G	11	CH2_OUT_G
CH2_OUT_C	12	CH2_OUT_H
CH1_OUT_G	13	CH1_OUT_G
CH1_OUT_C	14	CH1_OUT_H
CH2_IN_G	15	CH2_IN_G
CH2_IN_C	16	CH2_IN_H
CH1_IN_G	17	CH1_IN_G
CH1_IN_C	18	CH1_IN_H
CH4_OUT_G	19	CH4_OUT_G
CH4_OUT_C	20	CH4_OUT_H
CH3_OUT_G	21	CH3_OUT_G
CH3_OUT_C	22	CH3_OUT_H
CH4_IN_G	23	CH4_IN_G
CH4_IN_C	24	CH4_IN_H
CH3_IN_G	25	CH3_IN_G
CH3_IN_C	26	CH3_IN_H
CUE_OUT_G	27	CUE_OUT_G
CUE_OUT_C	28	CUE_OUT_H
CUE_IN_G	29	CUE_IN_G
CUE_IN_C	30	CUE_IN_H

COMPONENT NAME	AUDIO JACK	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84303B	KR4G84 (1/1) -1	
	SCM186	

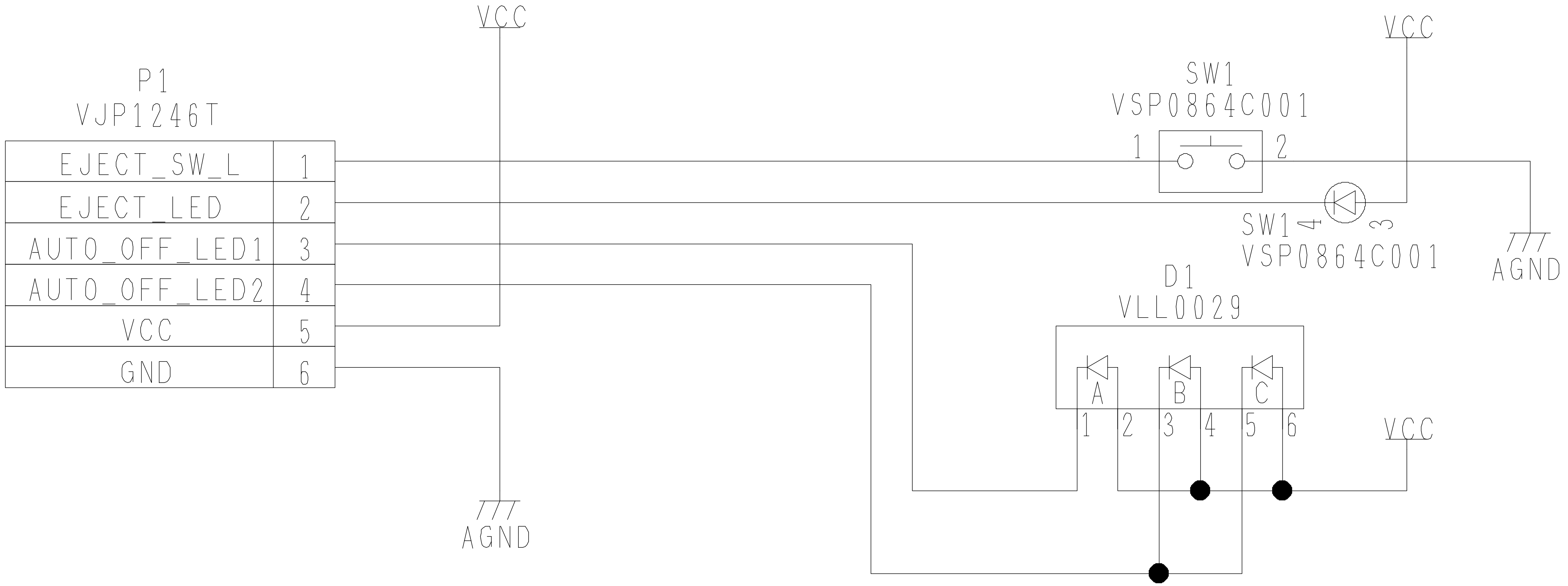

P12VM 1
FAN_PULSE2 2
FAN_GND 3
VJP1230T P2
P1
VJP3440A020
NO
FAN_PULSE2 2 1 P12VM
FAN_GND 4 3 GND
GND 6 5 AESEBU_78_OUT
GND 8 7 AESEBU_78_IN
GND 10 9 AESEBU_56_OUT
GND 12 11 AESEBU_56_IN
GND 14 13 AESEBU_34_OUT
GND 16 15 AESEBU_34_IN
GND 18 17 AESEBU_12_OUT
GND 20 19 AESEBU_12_IN
J8 AESEBU_78_OUT
J4 AESEBU_78_IN
J7 AESEBU_56_OUT
J3 AESEBU_56_IN
J6 AESEBU_34_OUT
J2 AESEBU_34_IN
J5 AESEBU_12_OUT
J1 AESEBU_12_IN
DGND
DGND
R1 0/J6
FL1 VLF1452-T
J1 VJS3901
AESEBU_12_IN P1
CH1/2_IN
FL11 VLF1452-T
DGND DGND
R2 0/J6
FL2 VLF1452-T
J2 VJS3901
AESEBU_34_IN P1
CH3/4_IN
FL12 VLF1452-T
DGND DGND
R3 0/J6
FL3 VLF1452-T
J3 VJS3901
AESEBU_56_IN P1
CH5/6_IN
FL13 VLF1452-T
DGND DGND
R4 0/J6
FL4 VLF1452-T
J4 VJS3901
AESEBU_78_IN P1
CH7/8_IN
FL14 VLF1452-T
DGND DGND
R5 0/J6
FL5 VLF1452-T
J5 VJS3901
AESEBU_12_OUT P1
CH1/2_OUT
FL15 VLF1452-T
DGND DGND
R6 0/J6
FL6 VLF1452-T
J6 VJS3901
AESEBU_34_OUT P1
CH3/4_OUT
FL16 VLF1452-T
DGND DGND
R7 0/J6
FL7 VLF1452-T
J7 VJS3901
AESEBU_56_OUT P1
CH5/6_OUT
FL17 VLF1452-T
DGND DGND
R8 0/J6
FL8 VLF1452-T
J8 VJS3901
AESEBU_78_OUT P1
CH7/8_OUT
FL18 VLF1452-T
DGND DGND
1
2
3

NOTICE)
R1 ～ R8 AND FL1 ～ FL8 ARE MOUNTED ON SOLDER SIDE.
THE OTHERS ARE MOUNTED ON PARTS SIDE.

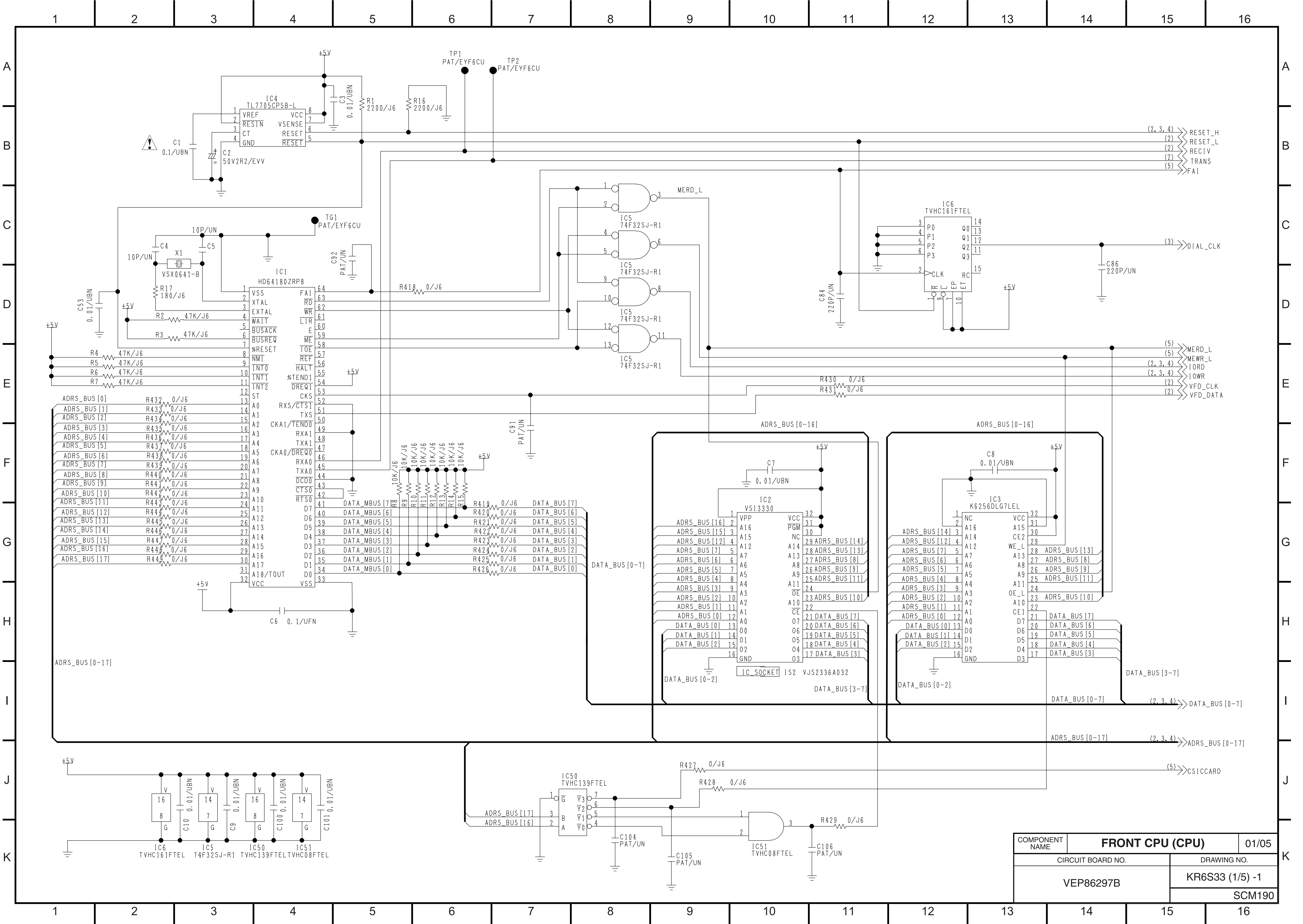
COMPONENT NAME	**AES/EBU**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP84332A		KR4H65 (1/1) -1
		SCM187


P1
VJP3440B016
NO
SERIAL_CLK
U_FRONT_DATA
FRONT_SW1
STB_CLK32
FRONT_SW3
FRONT_SW2
EJECT_SW_L
FRONT_SW4
VFD_CS
FRONT_SW5
CAS_DRV_A
VFD_WR
VCC
CAS_DRV_B
GND
C1 PAT/UFN
C2 PAT/UFN
AGND
SW1 VSP1139
SW2 VSP1139
SW3 VSP1139
SW4 VSP1139
SW5 VSP1139
FRONT_SW1
FRONT_SW2
FRONT_SW3
FRONT_SW4
FRONT_SW5
R44 0/J3
R43 PAT/J3
R29 6800/J3
R30 10K/J3
R31 470K/J3
IC1 TC74HC4050AF
IC2 TC7S00FTE85L
C3 0.1/UFV
R32 6800/J3
R33 10K/J3
R34 470K/J3
C4 120P/UV
R35 22K/J3
D10 MA142WK-GTX
R36 10K/J3
R37 470K/J3
IC6 PAT/TC7S00FTE85L
C12 PAT/UFV
D11 MA142K-GTX
R38 47K/J3
C5 16V10/EU
IC3 TC74HC4094AF
IC4 TC74HC4094AF
IC5 TC74HC4094AF
ST
OE
CK
SI
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
QS
Q_S
VFD_DATA[0]
VFD_DATA[1]
VFD_DATA[2]
VFD_DATA[3]
VFD_DATA[4]
VFD_DATA[5]
VFD_DATA[6]
VFD_DATA[7]
VFD_DATA[0-7]
CH_CONDITION1
CH_CONDITION2
CH_CONDITION3
D1 LN31GPH
D2 LN41YPH
D3 LN21RPH
R3 180/J6
R6 180/J6
R9 180/J6
R1 10K/J3
R4 10K/J3
R7 10K/J3
Q1 2SD601A-RTX
Q2 2SD601A-RTX
Q3 2SD601A-RTX
R2 47K/J3
R5 47K/J3
R8 47K/J3
HD
50M
25M
D4 LN41YPH
D5 LN41YPH
D6 LN31GPH
D7 LN31GPH
D8 LN31GPH
D9 LN31GPH
R12 180/J6
R13 180/J6
R16 180/J6
R17 180/J6
R27 180/J6
R28 180/J6
R10 10K/J3
R14 10K/J3
R25 10K/J3
Q4 2SD601A-RTX
Q5 2SD601A-RTX
Q8 2SD601A-RTX
R11 47K/J3
R15 47K/J3
R26 47K/J3
EJECT
R20 180/J6
R18 10K/J3
R19 47K/J3
Q6 2SD601A-RTX
C6 PAT/UFN
AUTO_OFF
R23 180/J6
R24 180/J6
R21 10K/J3
R22 47K/J3
Q7 2SD601A-RTX
C7 PAT/UFN
P2
VJP1246T
EJECT_SW_L
EJECT_LED
AUTOOFF_LED1
AUTOOFF_LED2
VCC
GND
P4
VJP2739B002
CAS_DRV_A
CAS_DRV_B
P3
VJS3281A020
+5V
VFD_RESET
GND
TEST
VFD_WR
VFD_CS
RXD
VFD_BUSY
R39 10K/J3
R45 PAT/J3
R40 10K/J3
R46 PAT/J3
R47 PAT/J3
R48 0/J3
R49 0/J3
TC_VFD
DP1 VEQ1847
R41 0/J3
R42 0/J3
C8 0.1/UFV
C9 0.1/UFV
C10 0.1/UFV
C11 0.1/UFV
IC1 TC74HC4050AF
IC5 TC74HC4094AF
IC3 TC74HC4094AF
IC4 TC74HC4094AF
VCC
AGND

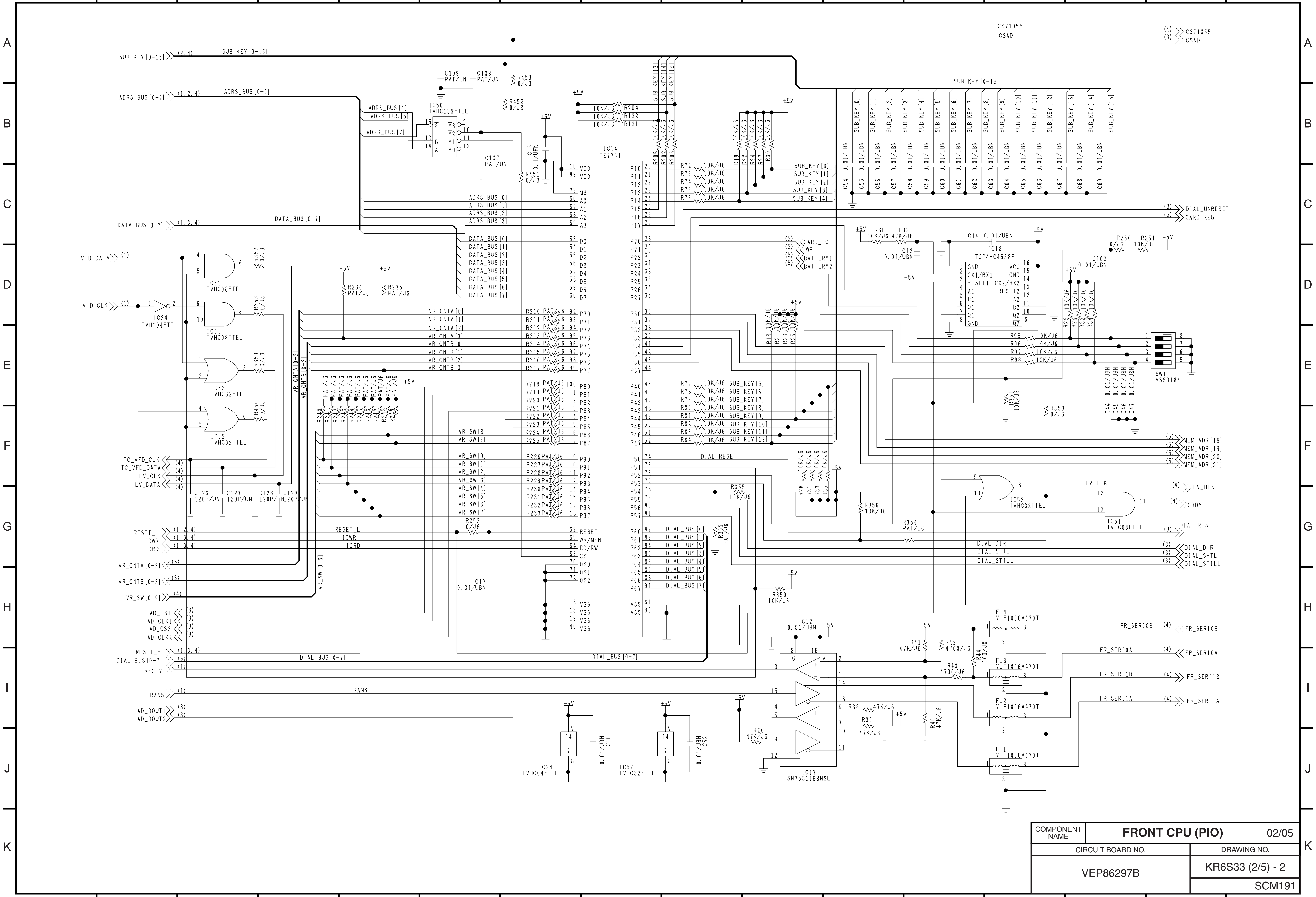
COMPONENT NAME	UP FRONT 1	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80B43A	KR0N38 (1/1) -1	
	SCM188	


VCC
P1
VJP1246T
EJECT_SW_L 1
EJECT_LED 2
AUTO_OFF_LED1 3
AUTO_OFF_LED2 4
VCC 5
GND 6
AGND
SW1
VSP0864C001
1
2
VCC
SW1
VSP0864C001
4
3
AGND
D1
VLL0029
A
B
C
1 2 3 4 5 6
VCC

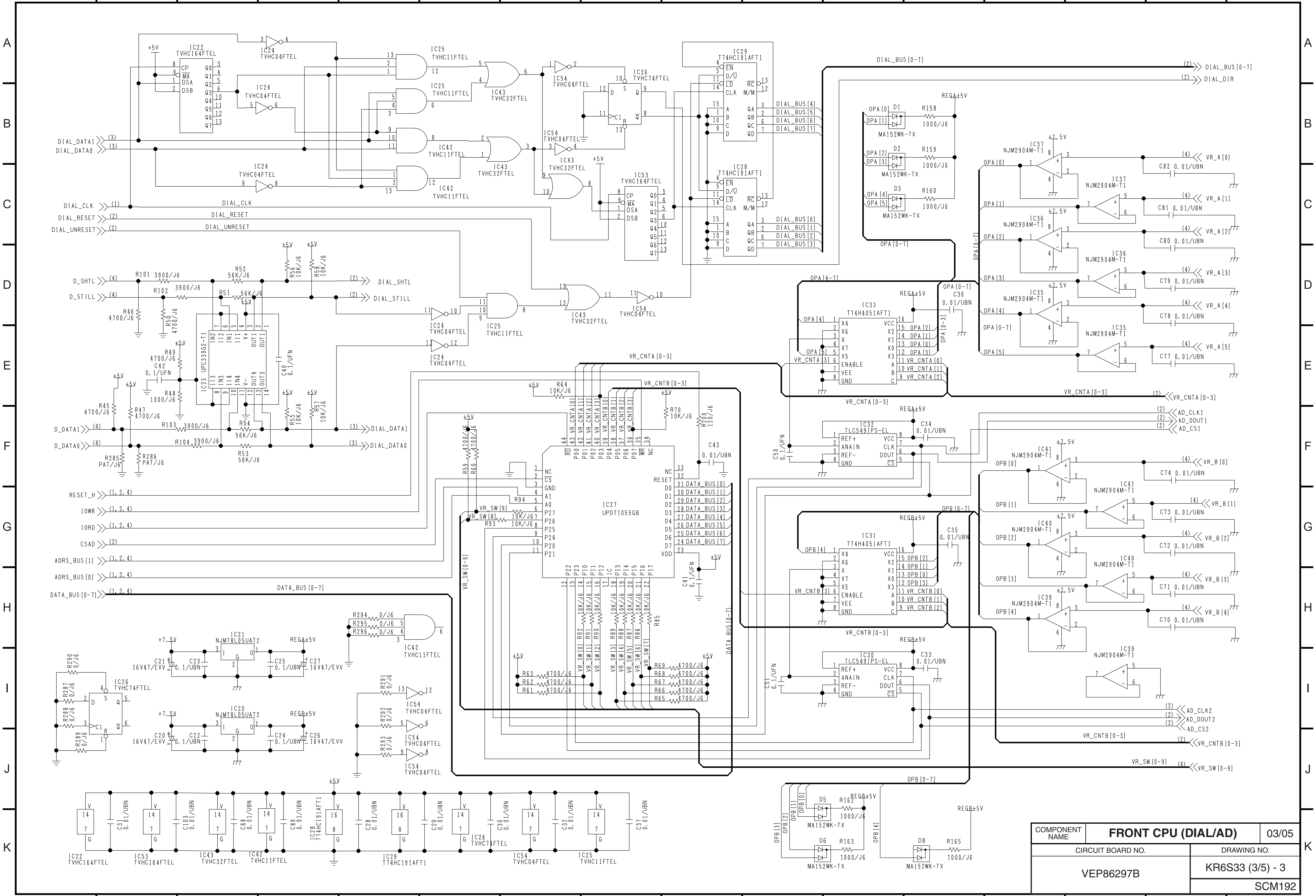
COMPONENT NAME	**UP FRONT 2**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80B56A	KR0N38 (1/1) -1	
	SCM189	


IC4
TL7705CPSB-L
VREF
RESIN
CT
GND
VCC
VSENSE
RESET
RESET
C1
0.1/UBN
C2
50V2R2/EVV
C3
0.01/UBN
R1
2200/J6
R16
2200/J6
+5V
TP1
PAT/EYF6CU
TP2
PAT/EYF6CU
TG1
PAT/EYF6CU
(2, 3, 4) RESET_H
(2) RESET_L
(2) RECIV
(2) TRANS
(5) FAI
MERD_L
IC5
74F32SJ-R1
IC6
TVHC161FTEL
P0
P1
P2
P3
Q0
Q1
Q2
Q3
CLK
RC
EP
ET
(3) DIAL_CLK
C86
220P/UN
C84
220P/UN
IC1
HD64180ZRP8
VSS
XTAL
EXTAL
WAIT
BUSACK
BUSREQ
%RESET
NMI
INT0
INT1
INT2
ST
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18/TOUT
VCC
FAI
RD
WR
LIR
E
ME
IOE
REF
HALT
%TEND1
DREQ1
CKS
RXS/CTS1
TXS
CKA1/TEND0
RXA1
TXA1
CKA0/DREQ0
RXA0
TXA0
DCD0
CTS0
RTS0
D7
D6
D5
D4
D3
D2
D1
D0
VSS
C4
10P/UN
C5
10P/UN
X1
VSX0641-B
R17
180/J6
C53
0.01/UBN
C92
PAT/UN
R418 0/J6
R2 47K/J6
R3 47K/J6
R4 47K/J6
R5 47K/J6
R6 47K/J6
R7 47K/J6
ADRS_BUS [0] … ADRS_BUS [17]
R432 … R449 0/J6
ADRS_BUS [0-17]
C6 0.1/UFN
C91
PAT/UN
R8 … R15 10K/J6
DATA_MBUS [0] … DATA_MBUS [7]
R419 … R426 0/J6
DATA_BUS [0] … DATA_BUS [7]
DATA_BUS [0-7]
(5) MERD_L
(5) MEWR_L
(2, 3, 4) IORD
(2, 3, 4) IOWR
R430 0/J6
R431 0/J6
(2) VFD_CLK
(2) VFD_DATA
ADRS_BUS [0-16]
C7
0.01/UBN
IC2
VSI3330
VPP
PGM
NC
OE
CE
IC_SOCKET
IS2 VJS2336A032
DATA_BUS [0-2]
DATA_BUS [3-7]
C8
0.01/UBN
IC3
K6256DLG7LEL
CE2
WE_L
OE_L
CE1
(2, 3, 4) DATA_BUS [0-7]
(2, 3, 4) ADRS_BUS [0-17]
R427 0/J6
R428 0/J6
(5) CSICCARD
IC50
TVHC139FTEL
ADRS_BUS [17]
ADRS_BUS [16]
C104
PAT/UN
C105
PAT/UN
IC51
TVHC08FTEL
R429 0/J6
C106
PAT/UN
IC6 TVHC161FTEL
IC5 74F32SJ-R1
IC50 TVHC139FTEL
IC51 TVHC08FTEL
C10 0.01/UBN
C9 0.01/UBN
C100 0.01/UBN
C101 0.01/UBN

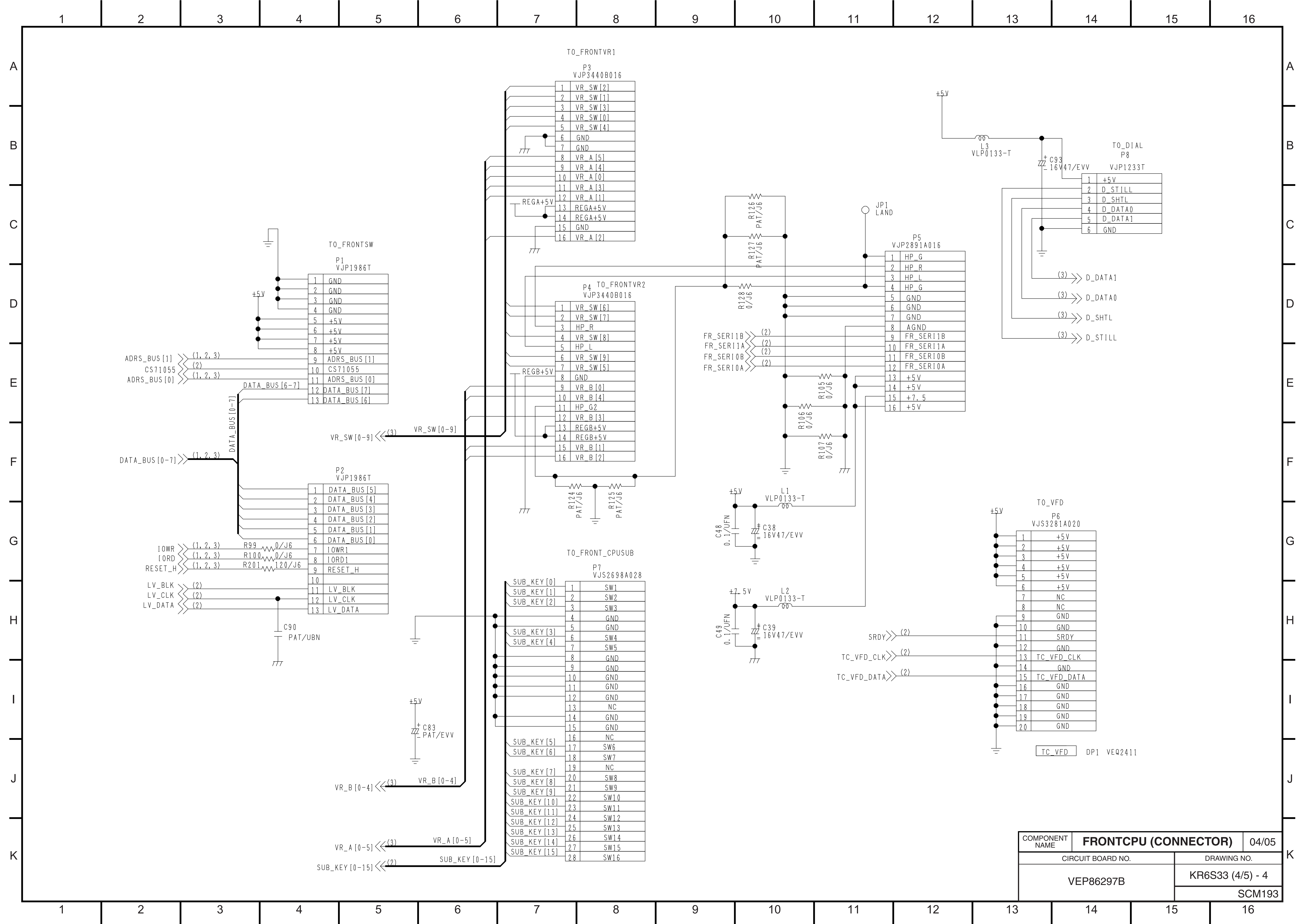
COMPONENT NAME	FRONT CPU (CPU)	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86297B	KR6S33 (1/5) -1	
	SCM190	


IC14
TE7751
IC50
TVHC139FTEL
IC51
TVHC08FTEL
IC24
TVHC04FTEL
IC52
TVHC32FTEL
IC18
TC74HC4538F
IC17
SN75C1168NSL
SW1
VSS0184
FL1
FL2
FL3
FL4
VLF1016A470T
SUB_KEY [0-15]
ADRS_BUS [0-7]
DATA_BUS [0-7]
VFD_DATA
VFD_CLK
TC_VFD_CLK
TC_VFD_DATA
LV_CLK
LV_DATA
RESET_L
IOWR
IORD
VR_CNTA [0-3]
VR_CNTB [0-3]
VR_SW [0-9]
AD_CS1
AD_CLK1
AD_CS2
AD_CLK2
RESET_H
DIAL_BUS [0-7]
RECIV
TRANS
AD_DOUT1
AD_DOUT2
CS71055
CSAD
DIAL_UNRESET
CARD_REG
CARD_IO
WP
BATTERY1
BATTERY2
MEM_ADR [18]
MEM_ADR [19]
MEM_ADR [20]
MEM_ADR [21]
LV_BLK
SRDY
DIAL_RESET
DIAL_DIR
DIAL_SHTL
DIAL_STILL
FR_SERI0B
FR_SERI0A
FR_SERI1B
FR_SERI1A
+5V

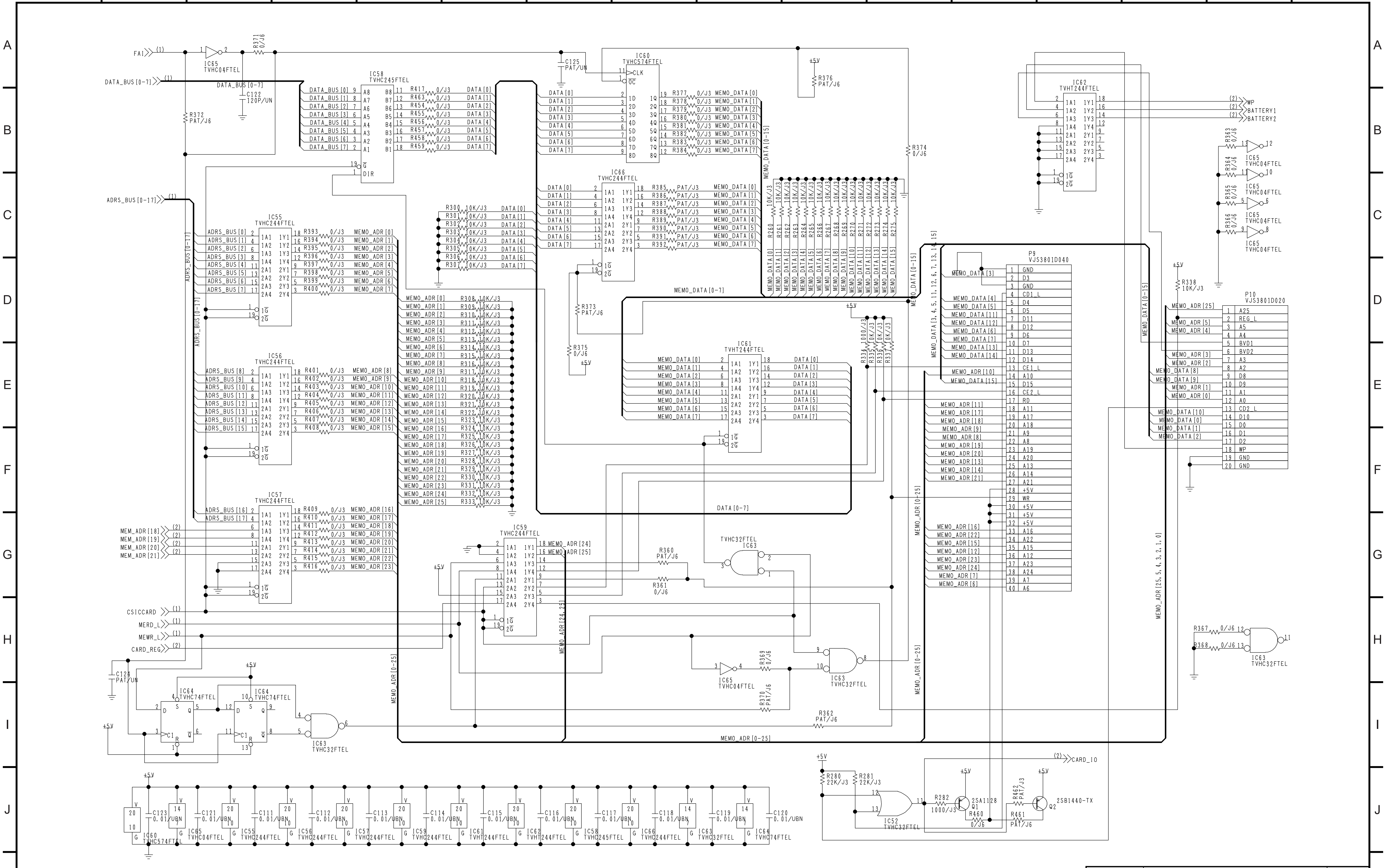
COMPONENT NAME	FRONT CPU (PIO)	02/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86297B		KR6S33 (2/5) - 2
		SCM191


IC22 TVHC164FTEL
IC24 TVHC04FTEL
IC25 TVHC11FTEL
IC42 TVHC11FTEL
IC43 TVHC32FTEL
IC54 TVHC04FTEL
IC26 TVHC74FTEL
IC29 T74HC191AFT1
IC28 T74HC191AFT1
IC53 TVHC164FTEL
IC23 UPC339G2-T1
IC27 UPD71055GB
IC33 T74H4051AFT1
IC31 T74H4051AFT1
IC32 TLC549IPS-EL
IC30 TLC549IPS-EL
IC35 NJM2904M-T1
IC36 NJM2904M-T1
IC37 NJM2904M-T1
IC39 NJM2904M-T1
IC40 NJM2904M-T1
IC41 NJM2904M-T1
IC20 NJM78L05UAT2
IC21 NJM78L05UAT2
D1 MA152WK-TX
D2 MA152WK-TX
D3 MA152WK-TX
D5 MA152WK-TX
D6 MA152WK-TX
D8 MA152WK-TX
DIAL_DATA1
DIAL_DATA0
DIAL_CLK
DIAL_RESET
DIAL_UNRESET
D_SHTL
D_STILL
D_DATA1
D_DATA0
DIAL_SHTL
DIAL_STILL
RESET_H
IOWR
IORD
CSAD
ADRS_BUS[1]
ADRS_BUS[0]
DATA_BUS[0-7]
DIAL_BUS[0-7]
DIAL_DIR
VR_A[0]
VR_A[1]
VR_A[2]
VR_A[3]
VR_A[4]
VR_A[5]
VR_B[0]
VR_B[1]
VR_B[2]
VR_B[3]
VR_B[4]
VR_CNTA[0-3]
VR_CNTB[0-3]
VR_SW[0-9]
AD_CLK1
AD_DOUT1
AD_CS1
AD_CLK2
AD_DOUT2
AD_CS2
OPA[0-7]
OPB[0-7]
REGA+5V
REGB+5V
+5V
+7.5V

COMPONENT NAME	FRONT CPU (DIAL/AD)	03/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86297B		KR6S33 (3/5) - 3
		SCM192


TO_FRONTVR1
P3 VJP3440B016
VR_SW[2]
VR_SW[1]
VR_SW[3]
VR_SW[0]
VR_SW[4]
GND
VR_A[5]
VR_A[4]
VR_A[0]
VR_A[3]
VR_A[1]
REGA+5V
VR_A[2]
TO_FRONTSW
P1 VJP1986T
+5V
ADRS_BUS[1]
CS71055
ADRS_BUS[0]
DATA_BUS[7]
DATA_BUS[6]
DATA_BUS[6-7]
DATA_BUS[0-7]
(1, 2, 3)
(2)
(3)
P4 TO_FRONTVR2 VJP3440B016
VR_SW[6]
VR_SW[7]
HP_R
VR_SW[8]
HP_L
VR_SW[9]
VR_SW[5]
REGB+5V
VR_B[0]
VR_B[4]
HP_G2
VR_B[3]
VR_B[1]
VR_B[2]
R124 PAT/J6
R125 PAT/J6
R126 PAT/J6
R127 PAT/J6
R128 0/J6
JP1 LAND
P5 VJP2891A016
HP_G
AGND
FR_SERI1B
FR_SERI1A
FR_SERI0B
FR_SERI0A
+7.5
R105 0/J6
R106 0/J6
R107 0/J6
+5V
L3 VLP0133-T
C93 16V47/EVV
TO_DIAL
P8 VJP1233T
D_STILL
D_SHTL
D_DATA0
D_DATA1
VR_SW[0-9]
P2 VJP1986T
DATA_BUS[5]
DATA_BUS[4]
DATA_BUS[3]
DATA_BUS[2]
DATA_BUS[1]
DATA_BUS[0]
IOWR
IORD
RESET_H
R99 0/J6
R100 0/J6
R201 120/J6
LV_BLK
LV_CLK
LV_DATA
C90 PAT/UBN
L1 VLP0133-T
C48 0.1/UFN
C38 16V47/EVV
+7.5V
L2 VLP0133-T
C49 0.1/UFN
C39 16V47/EVV
TO_FRONT_CPUSUB
P7 VJS2698A028
SUB_KEY[0]
SUB_KEY[1]
SUB_KEY[2]
SUB_KEY[3]
SUB_KEY[4]
SUB_KEY[5]
SUB_KEY[6]
SUB_KEY[7]
SUB_KEY[8]
SUB_KEY[9]
SUB_KEY[10]
SUB_KEY[11]
SUB_KEY[12]
SUB_KEY[13]
SUB_KEY[14]
SUB_KEY[15]
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
SW9
SW10
SW11
SW12
SW13
SW14
SW15
SW16
NC
C83 PAT/EVV
VR_B[0-4]
VR_A[0-5]
SUB_KEY[0-15]
TO_VFD
P6 VJS3281A020
SRDY
TC_VFD_CLK
TC_VFD_DATA
TC_VFD DP1 VEQ2411

COMPONENT NAME	FRONTCPU (CONNECTOR)	04/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86297B		KR6S33 (4/5) - 4
		SCM193

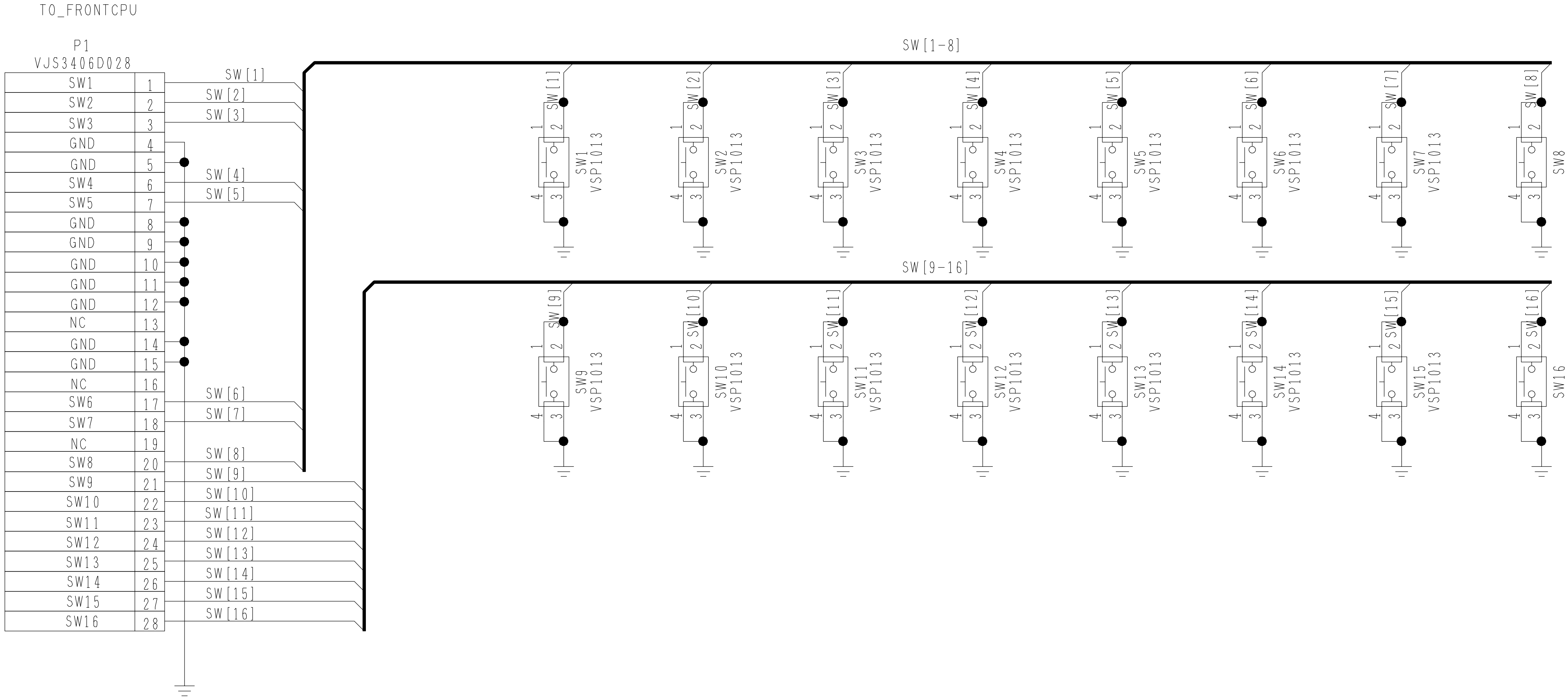


FAI
DATA_BUS[0-7]
ADRS_BUS[0-17]
IC65 TVHC04FTEL
IC58 TVHC245FTEL
IC60 TVHC574FTEL
IC66 TVHC244FTEL
IC61 TVHT244FTEL
IC62 TVHT244FTEL
IC55 TVHC244FTEL
IC56 TVHC244FTEL
IC57 TVHC244FTEL
IC59 TVHC244FTEL
IC63 TVHC32FTEL
IC64 TVHC74FTEL
IC52 TVHC32FTEL
P9 VJS3801D040
P10 VJS3801D020
MEMO_DATA[0-15]
MEMO_DATA[0-7]
MEMO_ADR[0-25]
DATA[0-7]
MEM_ADR[18]
MEM_ADR[19]
MEM_ADR[20]
MEM_ADR[21]
CSICCARD
MERD_L
MEWR_L
CARD_REG
CARD_IO
WP
BATTERY1
BATTERY2
2SA1128 Q1
2SB1440-TX Q2
+5V

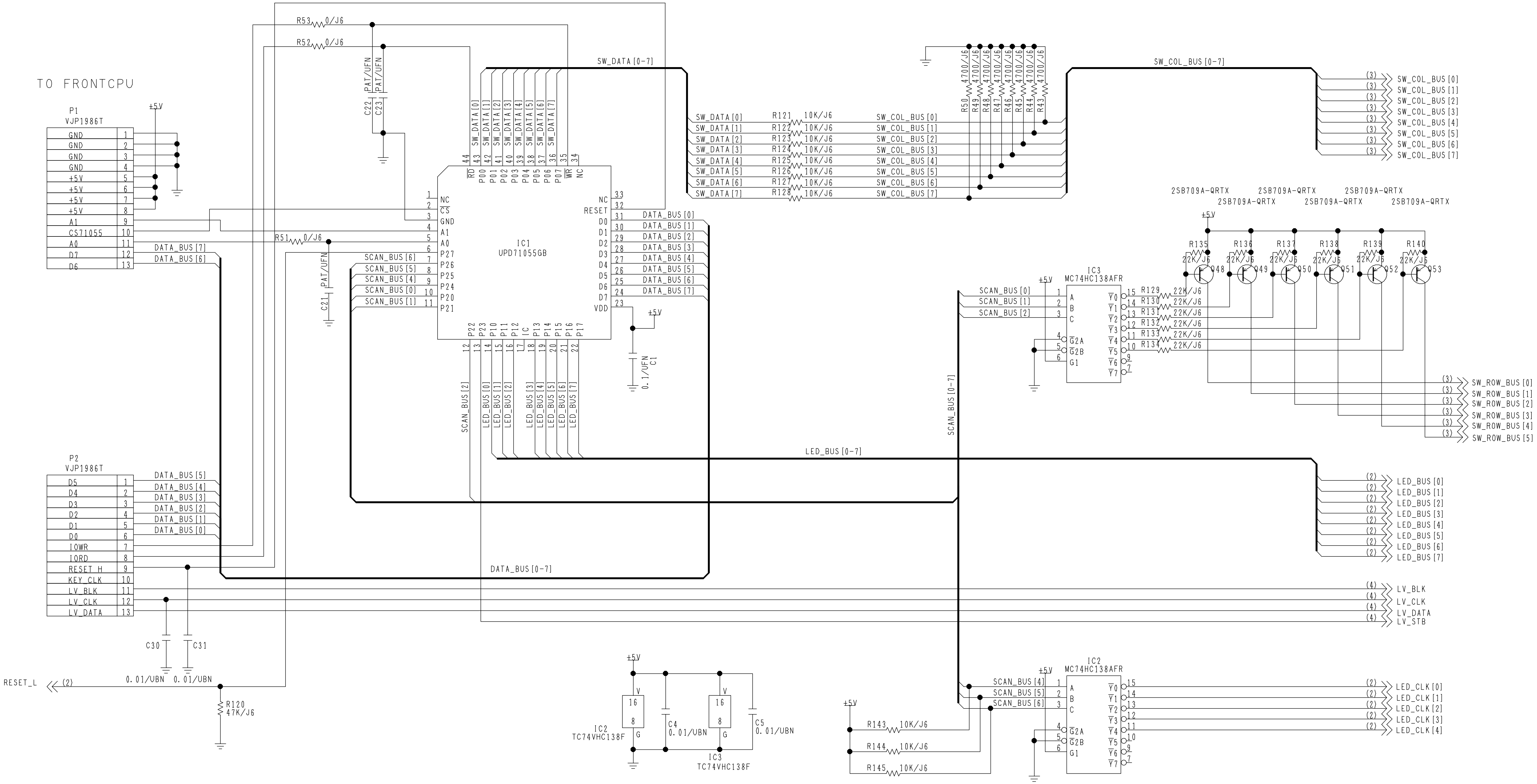
COMPONENT NAME
FRONT CPU (MEMORY CARD)
05/05

CIRCUIT BOARD NO.
VEP86297B

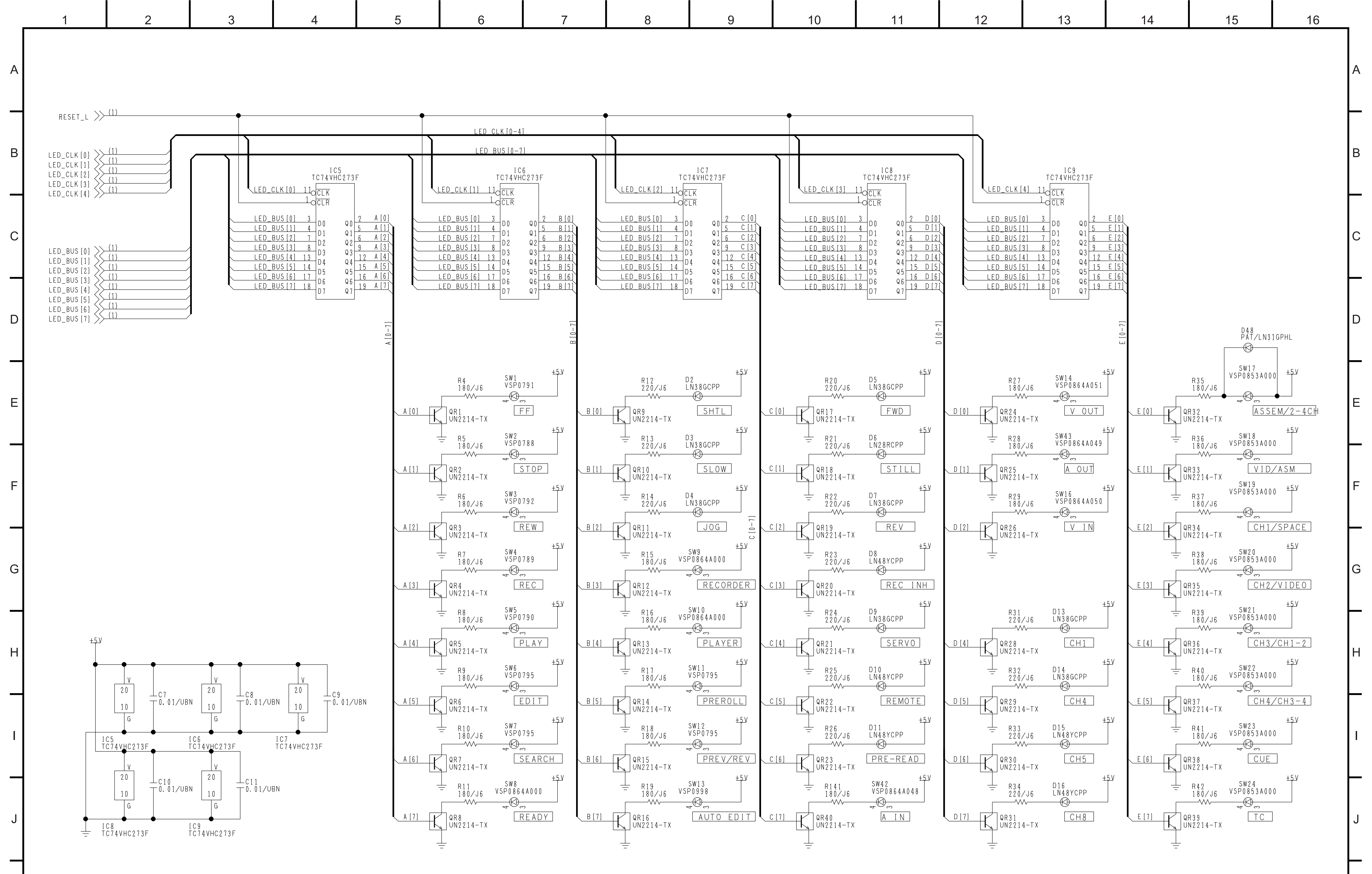
DRAWING NO.
KR6S33 (5/5) - 5
SCM194


TO_FRONTCPU
P1
VJS3406D028
SW1 1
SW2 2
SW3 3
GND 4
GND 5
SW4 6
SW5 7
GND 8
GND 9
GND 10
GND 11
GND 12
NC 13
GND 14
GND 15
NC 16
SW6 17
SW7 18
NC 19
SW8 20
SW9 21
SW10 22
SW11 23
SW12 24
SW13 25
SW14 26
SW15 27
SW16 28
SW[1]
SW[2]
SW[3]
SW[4]
SW[5]
SW[6]
SW[7]
SW[8]
SW[9]
SW[10]
SW[11]
SW[12]
SW[13]
SW[14]
SW[15]
SW[16]
SW[1-8]
SW[9-16]
SW1 VSP1013
SW2 VSP1013
SW3 VSP1013
SW4 VSP1013
SW5 VSP1013
SW6 VSP1013
SW7 VSP1013
SW8 VSP1013
SW9 VSP1013
SW10 VSP1013
SW11 VSP1013
SW12 VSP1013
SW13 VSP1013
SW14 VSP1013
SW15 VSP1013
SW16 VSP1013
1
2
3
4

COMPONENT NAME	**FRONT CPU SUB**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86298A	KR6S34 (1/1) -1	
	SCM195	


TO FRONTCPU
P1
VJP1986T
GND
GND
GND
GND
+5V
+5V
+5V
+5V
A1
CS71055
A0
D7
D6
+5V
DATA_BUS [7]
DATA_BUS [6]
R53 0/J6
R52 0/J6
R51 0/J6
C22 PAT/UFN
C23 PAT/UFN
C21 PAT/UFN
IC1
UPD71055GB
NC
CS
GND
A1
A0
P27
P26
P25
P24
P20
P21
RD
P00
P01
P02
P03
P04
P05
P06
P07
WR
NC
RESET
D0
D1
D2
D3
D4
D5
D6
D7
VDD
P22
P23
P10
P11
P12
IC
P13
P14
P15
P16
P17
SW_DATA [0-7]
SW_DATA [0]
SW_DATA [1]
SW_DATA [2]
SW_DATA [3]
SW_DATA [4]
SW_DATA [5]
SW_DATA [6]
SW_DATA [7]
SCAN_BUS [6]
SCAN_BUS [5]
SCAN_BUS [4]
SCAN_BUS [0]
SCAN_BUS [1]
SCAN_BUS [2]
DATA_BUS [0]
DATA_BUS [1]
DATA_BUS [2]
DATA_BUS [3]
DATA_BUS [4]
DATA_BUS [5]
DATA_BUS [6]
DATA_BUS [7]
+5V
C1 0.1/UFN
LED_BUS [0]
LED_BUS [1]
LED_BUS [2]
LED_BUS [3]
LED_BUS [4]
LED_BUS [5]
LED_BUS [6]
LED_BUS [7]
LED_BUS [0-7]
DATA_BUS [0-7]
R121 10K/J6
R122 10K/J6
R123 10K/J6
R124 10K/J6
R125 10K/J6
R126 10K/J6
R127 10K/J6
R128 10K/J6
SW_COL_BUS [0]
SW_COL_BUS [1]
SW_COL_BUS [2]
SW_COL_BUS [3]
SW_COL_BUS [4]
SW_COL_BUS [5]
SW_COL_BUS [6]
SW_COL_BUS [7]
R50 4700/J6
R49 4700/J6
R48 4700/J6
R47 4700/J6
R46 4700/J6
R45 4700/J6
R44 4700/J6
R43 4700/J6
SW_COL_BUS [0-7]
(3)
2SB709A-QRTX
Q48
Q49
Q50
Q51
Q52
Q53
R135 22K/J6
R136 22K/J6
R137 22K/J6
R138 22K/J6
R139 22K/J6
R140 22K/J6
IC3
MC74HC138AFR
A
B
C
G2A
G2B
G1
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
R129 22K/J6
R130 22K/J6
R131 22K/J6
R132 22K/J6
R133 22K/J6
R134 22K/J6
SW_ROW_BUS [0]
SW_ROW_BUS [1]
SW_ROW_BUS [2]
SW_ROW_BUS [3]
SW_ROW_BUS [4]
SW_ROW_BUS [5]
SCAN_BUS [0-7]
(2)
P2
VJP1986T
D5
D4
D3
D2
D1
D0
IOWR
IORD
RESET_H
KEY_CLK
LV_BLK
LV_CLK
LV_DATA
DATA_BUS [5]
DATA_BUS [4]
DATA_BUS [3]
DATA_BUS [2]
DATA_BUS [1]
DATA_BUS [0]
(4)
LV_BLK
LV_CLK
LV_DATA
LV_STB
C30
C31
0.01/UBN
0.01/UBN
RESET_L
R120 47K/J6
IC2
TC74VHC138F
IC3
TC74VHC138F
C4 0.01/UBN
C5 0.01/UBN
V
G
16
8
IC2
MC74HC138AFR
SCAN_BUS [4]
SCAN_BUS [5]
SCAN_BUS [6]
R143 10K/J6
R144 10K/J6
R145 10K/J6
LED_CLK [0]
LED_CLK [1]
LED_CLK [2]
LED_CLK [3]
LED_CLK [4]

COMPONENT NAME	FRONT SW (CONTROL)	01/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80B44A	KR0N39 (1/4) -1	
	SCM196	


RESET_L
LED_CLK [0]
LED_CLK [1]
LED_CLK [2]
LED_CLK [3]
LED_CLK [4]
LED_BUS [0]
LED_BUS [1]
LED_BUS [2]
LED_BUS [3]
LED_BUS [4]
LED_BUS [5]
LED_BUS [6]
LED_BUS [7]
LED_CLK [0-4]
LED_BUS [0-7]
IC5 TC74VHC273F
IC6 TC74VHC273F
IC7 TC74VHC273F
IC8 TC74VHC273F
IC9 TC74VHC273F
CLK
CLR
D0 D1 D2 D3 D4 D5 D6 D7
Q0 Q1 Q2 Q3 Q4 Q5 Q6 Q7
A [0-7]
B [0-7]
C [0-7]
D [0-7]
E [0-7]
+5V
R4 180/J6 SW1 VSP0791 QR1 UN2214-TX FF
R5 180/J6 SW2 VSP0788 QR2 UN2214-TX STOP
R6 180/J6 SW3 VSP0792 QR3 UN2214-TX REW
R7 180/J6 SW4 VSP0789 QR4 UN2214-TX REC
R8 180/J6 SW5 VSP0790 QR5 UN2214-TX PLAY
R9 180/J6 SW6 VSP0795 QR6 UN2214-TX EDIT
R10 180/J6 SW7 VSP0795 QR7 UN2214-TX SEARCH
R11 180/J6 SW8 VSP0864A000 QR8 UN2214-TX READY
R12 220/J6 D2 LN38GCPP QR9 UN2214-TX SHTL
R13 220/J6 D3 LN38GCPP QR10 UN2214-TX SLOW
R14 220/J6 D4 LN38GCPP QR11 UN2214-TX JOG
R15 180/J6 SW9 VSP0864A000 QR12 UN2214-TX RECORDER
R16 180/J6 SW10 VSP0864A000 QR13 UN2214-TX PLAYER
R17 180/J6 SW11 VSP0795 QR14 UN2214-TX PREROLL
R18 180/J6 SW12 VSP0795 QR15 UN2214-TX PREV/REV
R19 180/J6 SW13 VSP0998 QR16 UN2214-TX AUTO EDIT
R20 220/J6 D5 LN38GCPP QR17 UN2214-TX FWD
R21 220/J6 D6 LN28RCPP QR18 UN2214-TX STILL
R22 220/J6 D7 LN38GCPP QR19 UN2214-TX REV
R23 220/J6 D8 LN48YCPP QR20 UN2214-TX REC INH
R24 220/J6 D9 LN38GCPP QR21 UN2214-TX SERVO
R25 220/J6 D10 LN48YCPP QR22 UN2214-TX REMOTE
R26 220/J6 D11 LN48YCPP QR23 UN2214-TX PRE-READ
R141 180/J6 SW42 VSP0864A048 QR40 UN2214-TX A IN
R27 180/J6 SW14 VSP0864A051 QR24 UN2214-TX V OUT
R28 180/J6 SW43 VSP0864A049 QR25 UN2214-TX A OUT
R29 180/J6 SW16 VSP0864A050 QR26 UN2214-TX V IN
R31 220/J6 D13 LN38GCPP QR28 UN2214-TX CH1
R32 220/J6 D14 LN38GCPP QR29 UN2214-TX CH4
R33 220/J6 D15 LN48YCPP QR30 UN2214-TX CH5
R34 220/J6 D16 LN48YCPP QR31 UN2214-TX CH8
D48 PAT/LN31GPHL
R35 180/J6 SW17 VSP0853A000 QR32 UN2214-TX ASSEM/2-4CH
R36 180/J6 SW18 VSP0853A000 QR33 UN2214-TX VID/ASM
R37 180/J6 SW19 VSP0853A000 QR34 UN2214-TX CH1/SPACE
R38 180/J6 SW20 VSP0853A000 QR35 UN2214-TX CH2/VIDEO
R39 180/J6 SW21 VSP0853A000 QR36 UN2214-TX CH3/CH1-2
R40 180/J6 SW22 VSP0853A000 QR37 UN2214-TX CH4/CH3-4
R41 180/J6 SW23 VSP0853A000 QR38 UN2214-TX CUE
R42 180/J6 SW24 VSP0853A000 QR39 UN2214-TX TC
C7 0.01/UBN
C8 0.01/UBN
C9 0.01/UBN
C10 0.01/UBN
C11 0.01/UBN
IC5 TC74VHC273F
IC6 TC74VHC273F
IC7 TC74VHC273F
IC8 TC74VHC273F
IC9 TC74VHC273F
V
20
10
G

COMPONENT NAME

FRONT SW (LED)

0204

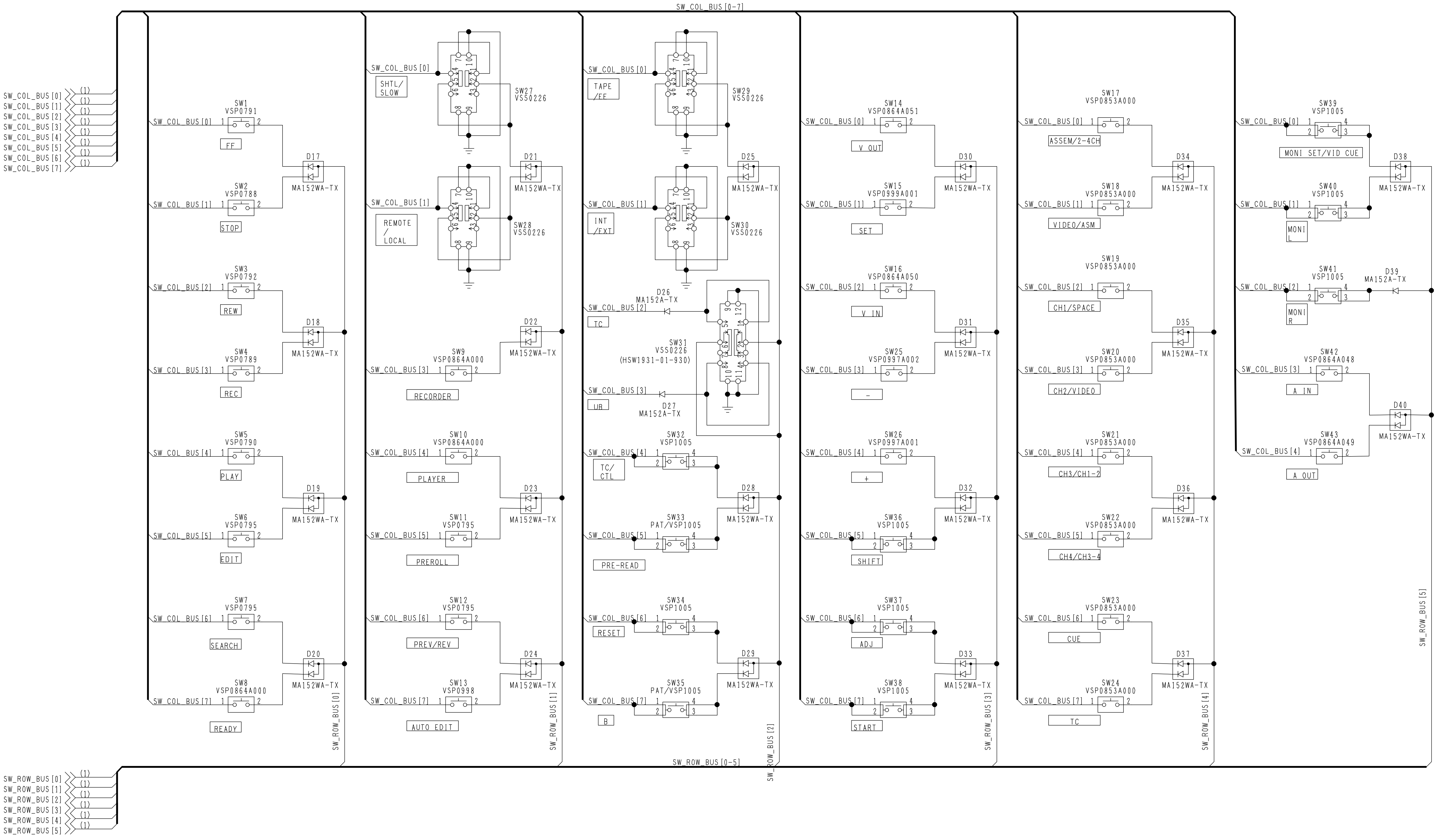
CIRCUIT BOARD NO.

VEP80B44A

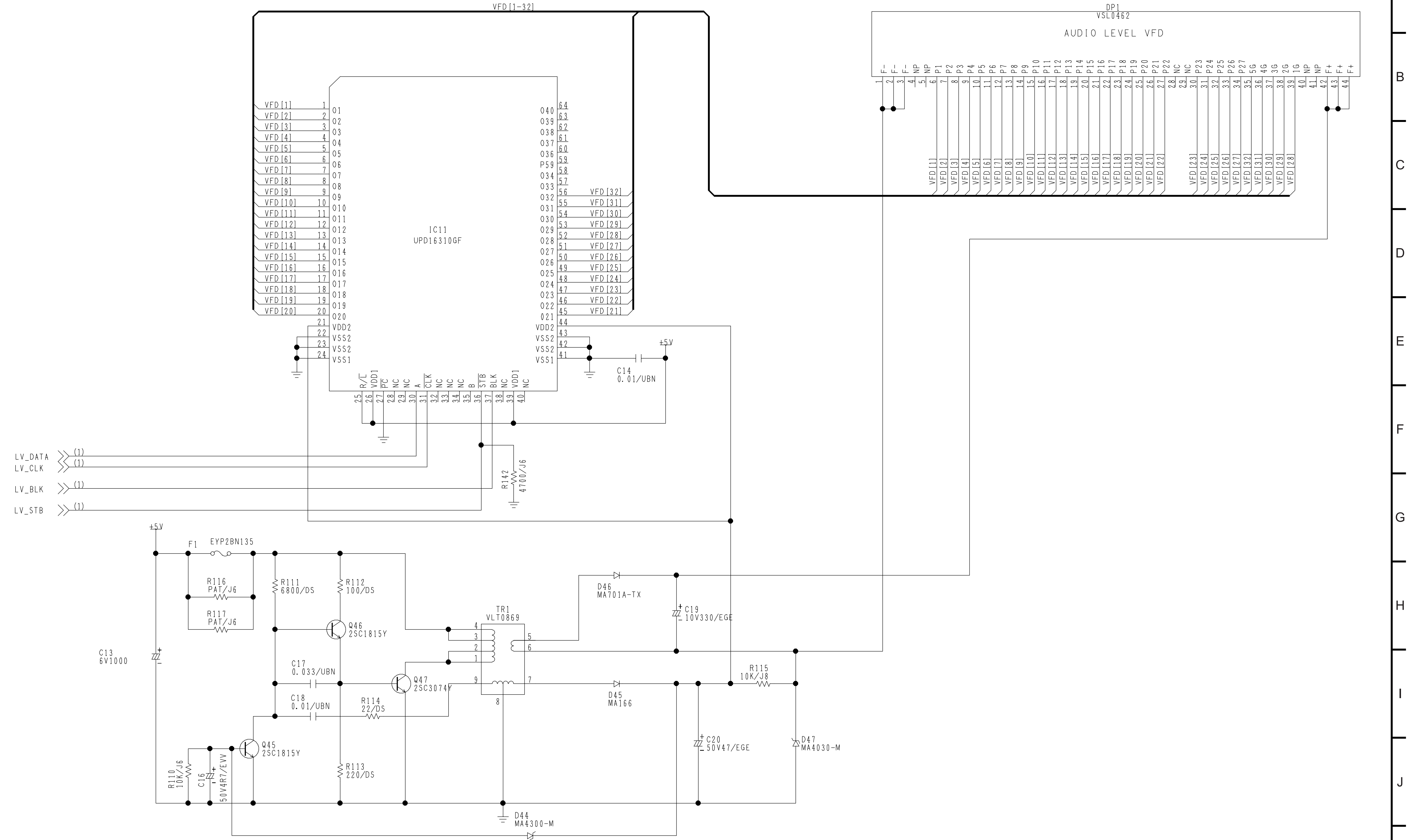
DRAWING NO.

KR0N39 (2/4)

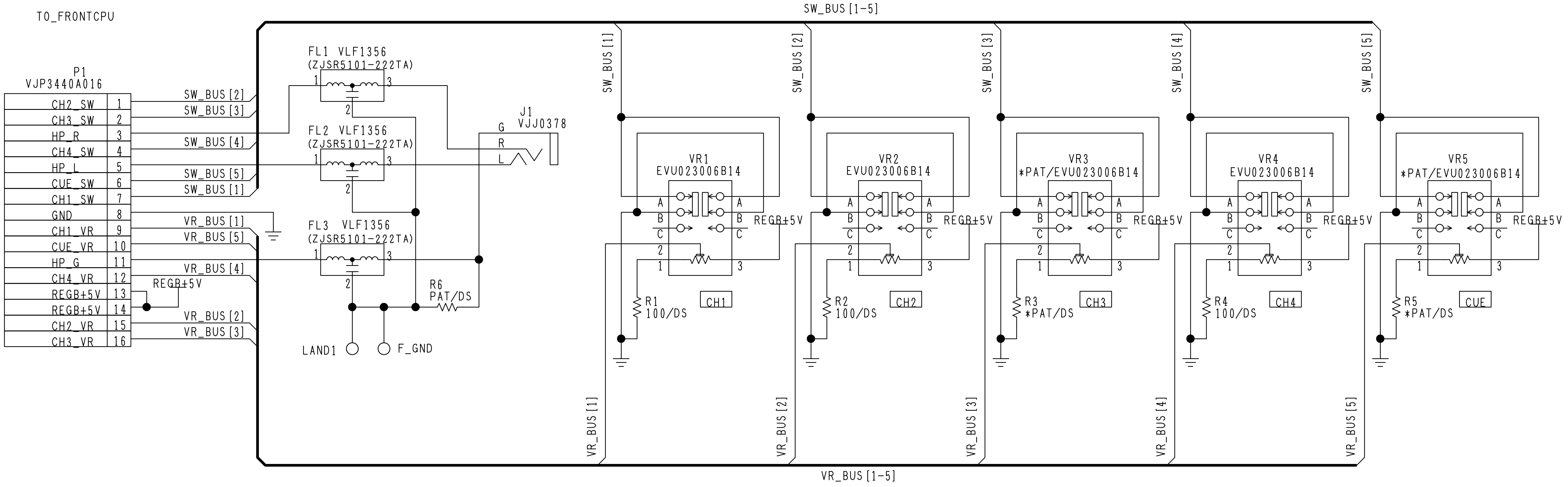
SCM197


SW_COL_BUS[0-7]
SW_COL_BUS[0] (1)
SW_COL_BUS[1] (1)
SW_COL_BUS[2] (1)
SW_COL_BUS[3] (1)
SW_COL_BUS[4] (1)
SW_COL_BUS[5] (1)
SW_COL_BUS[6] (1)
SW_COL_BUS[7] (1)
SW1 VSP0791 FF
SW2 VSP0788 STOP
SW3 VSP0792 REW
SW4 VSP0789 REC
SW5 VSP0790 PLAY
SW6 VSP0795 EDIT
SW7 VSP0795 SEARCH
SW8 VSP0864A000 READY
D17 MA152WA-TX
D18 MA152WA-TX
D19 MA152WA-TX
D20 MA152WA-TX
SW27 VSS0226 SHTL/SLOW
SW28 VSS0226 REMOTE / LOCAL
SW9 VSP0864A000 RECORDER
SW10 VSP0864A000 PLAYER
SW11 VSP0795 PREROLL
SW12 VSP0795 PREV/REV
SW13 VSP0998 AUTO EDIT
D21 MA152WA-TX
D22 MA152WA-TX
D23 MA152WA-TX
D24 MA152WA-TX
SW29 VSS0226 TAPE /FF
SW30 VSS0226 INT /EXT
D26 MA152A-TX TC
SW31 VSS0226 (HSW1931-01-930)
D27 MA152A-TX UB
SW32 VSP1005 TC/CTL
SW33 PAT/VSP1005 PRE-READ
SW34 VSP1005 RESET
SW35 PAT/VSP1005 B
D25 MA152WA-TX
D28 MA152WA-TX
D29 MA152WA-TX
SW14 VSP0864A051 V OUT
SW15 VSP0999A001 SET
SW16 VSP0864A050 V IN
SW25 VSP0997A002 −
SW26 VSP0997A001 +
SW36 VSP1005 SHIFT
SW37 VSP1005 ADJ
SW38 VSP1005 START
D30 MA152WA-TX
D31 MA152WA-TX
D32 MA152WA-TX
D33 MA152WA-TX
SW17 VSP0853A000 ASSEM/2-4CH
SW18 VSP0853A000 VIDEO/ASM
SW19 VSP0853A000 CH1/SPACE
SW20 VSP0853A000 CH2/VIDEO
SW21 VSP0853A000 CH3/CH1-2
SW22 VSP0853A000 CH4/CH3-4
SW23 VSP0853A000 CUE
SW24 VSP0853A000 TC
D34 MA152WA-TX
D35 MA152WA-TX
D36 MA152WA-TX
D37 MA152WA-TX
SW39 VSP1005 MONI SET/VID CUE
SW40 VSP1005 MONI L
SW41 VSP1005 MONI R
D39 MA152A-TX
SW42 VSP0864A048 A IN
SW43 VSP0864A049 A OUT
D38 MA152WA-TX
D40 MA152WA-TX
SW_ROW_BUS[0]
SW_ROW_BUS[1]
SW_ROW_BUS[2]
SW_ROW_BUS[3]
SW_ROW_BUS[4]
SW_ROW_BUS[5]
SW_ROW_BUS[0-5]
SW_ROW_BUS[0] (1)
SW_ROW_BUS[1] (1)
SW_ROW_BUS[2] (1)
SW_ROW_BUS[3] (1)
SW_ROW_BUS[4] (1)
SW_ROW_BUS[5] (1)

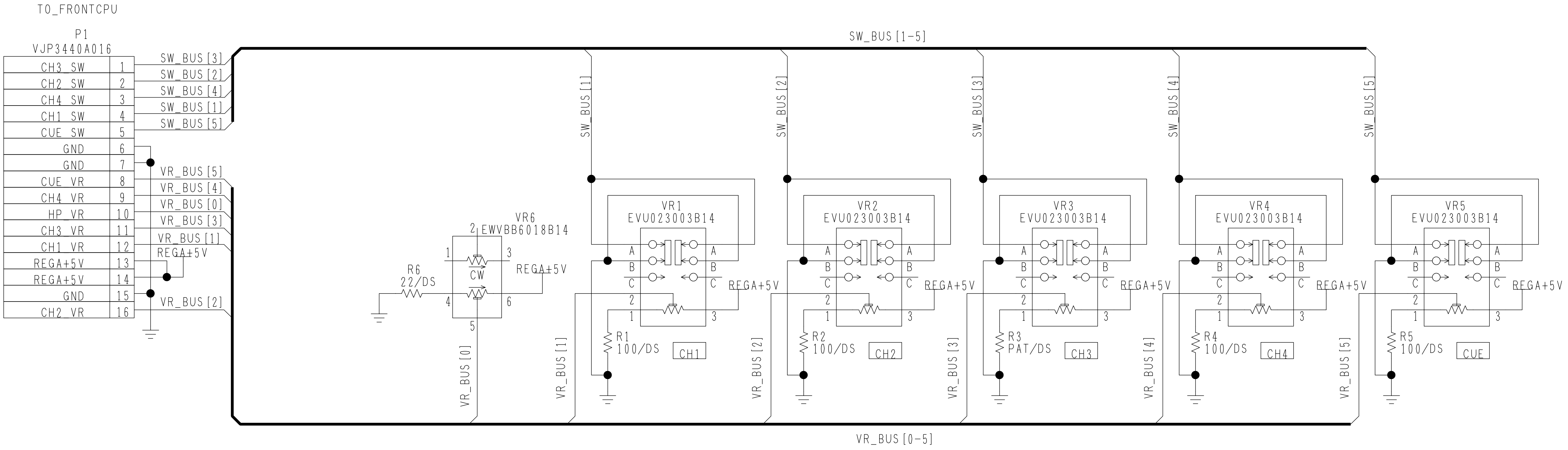
COMPONENT NAME	FRONT SW (SW)	03/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80B44A	KR0N39 (3/4) - 3	
	SCM198	


VFD[1-32]
DP1
VSL0462
AUDIO LEVEL VFD
F- F- F- NP NP P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22 NC NC P23 P24 P25 P26 P27 5G 4G 3G 2G 1G NP NP F+ F+ F+
IC11
UPD16310GF
O1 O2 O3 O4 O5 O6 O7 O8 O9 O10 O11 O12 O13 O14 O15 O16 O17 O18 O19 O20
VDD2 VSS2 VSS2 VSS1
O40 O39 O38 O37 O36 P59 O34 O33 O32 O31 O30 O29 O28 O27 O26 O25 O24 O23 O22 O21
VDD2 VSS2 VSS2 VSS1
R/L VDD1 PC NC NC A CLK NC NC NC B STB BLK NC VDD1 NC
VFD[1] … VFD[32]
C14
0.01/UBN
+5V
LV_DATA (1)
LV_CLK (1)
LV_BLK (1)
LV_STB (1)
R142
4700/J6
+5V
F1 EYP2BN135
R116 PAT/J6
R117 PAT/J6
R111 6800/DS
R112 100/DS
Q46 2SC1815Y
C13 6V1000
C17 0.033/UBN
Q47 2SC3074Y
C18 0.01/UBN
R114 22/DS
Q45 2SC1815Y
R110 10K/J6
C16 50V4R7/EVV
R113 220/DS
TR1 VLT0869
D46 MA701A-TX
C19 10V330/EGE
D45 MA166
R115 10K/J8
C20 50V47/EGE
D47 MA4030-M
D44 MA4300-M

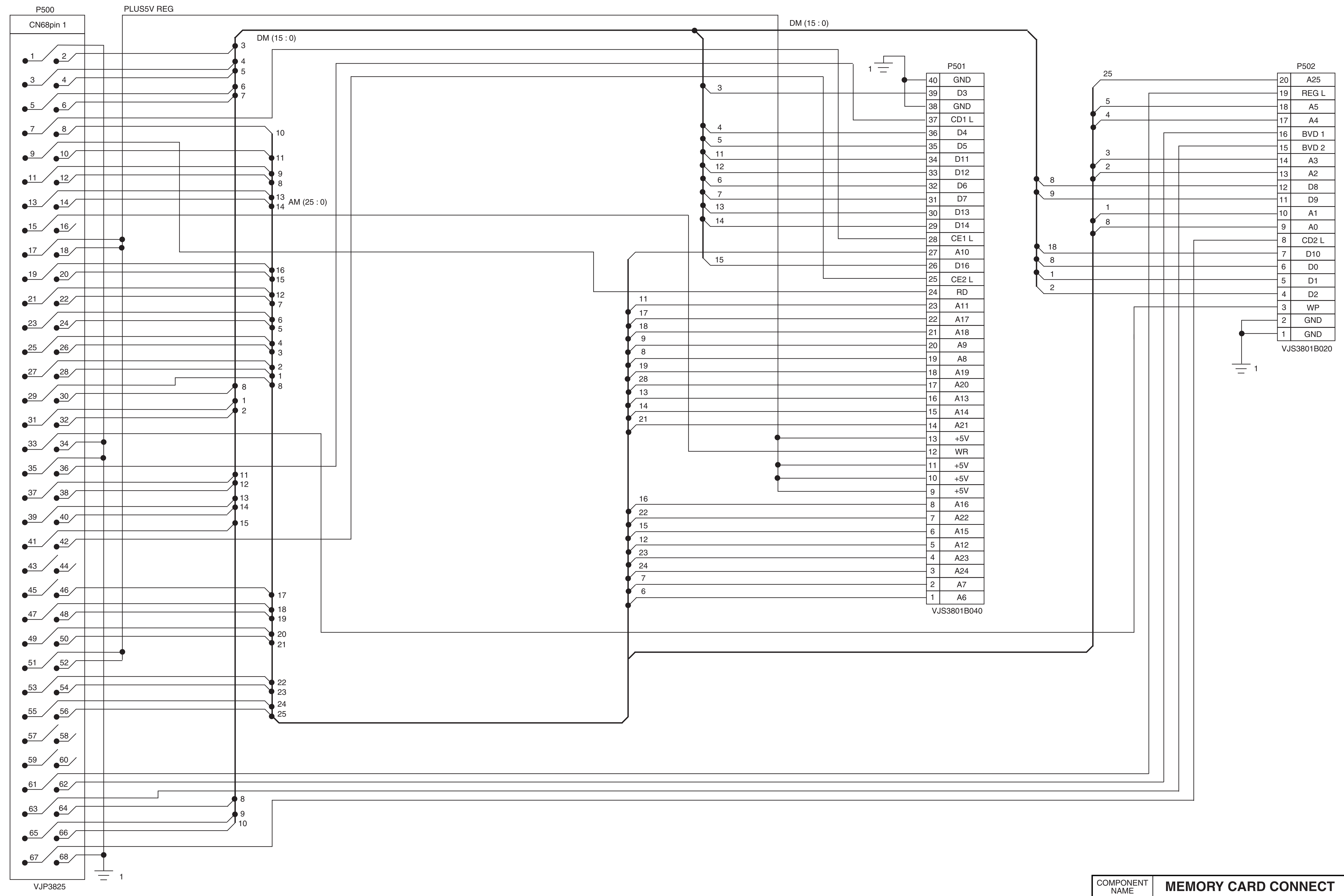
COMPONENT NAME	FRONT SW (VFD)	04/04
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80B44A	KR0N39 (4/4) - 4	
	SCM199	


TO_FRONTCPU
P1
VJP3440A016
CH2_SW 1
CH3_SW 2
HP_R 3
CH4_SW 4
HP_L 5
CUE_SW 6
CH1_SW 7
GND 8
CH1_VR 9
CUE_VR 10
HP_G 11
CH4_VR 12
REGB+5V 13
REGB+5V 14
CH2_VR 15
CH3_VR 16
REGB+5V
SW_BUS[2]
SW_BUS[3]
SW_BUS[4]
SW_BUS[5]
SW_BUS[1]
VR_BUS[1]
VR_BUS[5]
VR_BUS[4]
VR_BUS[2]
VR_BUS[3]
FL1 VLF1356
(ZJSR5101-222TA)
FL2 VLF1356
(ZJSR5101-222TA)
FL3 VLF1356
(ZJSR5101-222TA)
J1
VJJ0378
G
R
L
R6
PAT/DS
LAND1
F_GND
SW_BUS[1-5]
VR_BUS[1-5]
VR1
EVU023006B14
VR2
EVU023006B14
VR3
*PAT/EVU023006B14
VR4
EVU023006B14
VR5
*PAT/EVU023006B14
A
B
C
REGB+5V
R1
100/DS
R2
100/DS
R3
*PAT/DS
R4
100/DS
R5
*PAT/DS
CH1
CH2
CH3
CH4
CUE

COMPONENT NAME	**FRONT VR 1**	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80963F	KR0G70 (1/1) -1	
	SCM200	


TO_FRONTCPU
P1
VJP3440A016
CH3_SW 1
CH2_SW 2
CH4_SW 3
CH1_SW 4
CUE_SW 5
GND 6
GND 7
CUE_VR 8
CH4_VR 9
HP_VR 10
CH3_VR 11
CH1_VR 12
REGA+5V 13
REGA+5V 14
GND 15
CH2_VR 16
SW_BUS[3]
SW_BUS[2]
SW_BUS[4]
SW_BUS[1]
SW_BUS[5]
VR_BUS[5]
VR_BUS[4]
VR_BUS[0]
VR_BUS[3]
VR_BUS[1]
REGA+5V
VR_BUS[2]
SW_BUS[1-5]
VR_BUS[0-5]
VR6
EWVBB6018B14
CW
R6
22/DS
REGA+5V
VR_BUS[0]
VR1
EVU023003B14
R1
100/DS
CH1
VR2
EVU023003B14
R2
100/DS
CH2
VR3
EVU023003B14
R3
PAT/DS
CH3
VR4
EVU023003B14
R4
100/DS
CH4
VR5
EVU023003B14
R5
100/DS
CUE
A
B
C
1
2
3
4
5
6
REGA+5V
SW_BUS[1]
SW_BUS[2]
SW_BUS[3]
SW_BUS[4]
SW_BUS[5]
VR_BUS[1]
VR_BUS[2]
VR_BUS[3]
VR_BUS[4]
VR_BUS[5]

COMPONENT NAME	FRONT VR 2	01/01
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80964E	KR0G71 (1/1) -1	
	SCM201	


P500
CN68pin 1
PLUS5V REG
DM (15 : 0)
AM (25 : 0)
VJP3825
P501
40 GND
39 D3
38 GND
37 CD1 L
36 D4
35 D5
34 D11
33 D12
32 D6
31 D7
30 D13
29 D14
28 CE1 L
27 A10
26 D16
25 CE2 L
24 RD
23 A11
22 A17
21 A18
20 A9
19 A8
18 A19
17 A20
16 A13
15 A14
14 A21
13 +5V
12 WR
11 +5V
10 +5V
9 +5V
8 A16
7 A22
6 A15
5 A12
4 A23
3 A24
2 A7
1 A6
VJS3801B040
P502
20 A25
19 REG L
18 A5
17 A4
16 BVD 1
15 BVD 2
14 A3
13 A2
12 D8
11 D9
10 A1
9 A0
8 CD2 L
7 D10
6 D0
5 D1
4 D2
3 WP
2 GND
1 GND
VJS3801B020

COMPONENT NAME
MEMORY CARD CONNECT
01/01
CIRCUIT BOARD NO.
VEP86307A
DRAWING NO.
KR6S86 (1/1) -1
SCM202

SECTION 6

CIRCUIT BOARD DIAGRAMS

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

F2 SUB : A JOG P.C.BOARD (VEP84346A) CBA-1
F1 : A ADDA P.C.BOARD (VEP84333A) CBA-2
F2 : A PROC P.C.BOARD (VEP84334C) CBA-4
F3 : REC PB P.C.BOARD (VEP83464B) CBA-6
F4 : V PROC P.C.BOARD (VEP83465B) CBA-8
F5 : SDI P.C.BOARD (VEP83466B) CBA-10
F6 : SYSCON P.C.BOARD (VEP86296C) CBA-12
F7 : SERVO P.C.BOARD (VEP82225B)
/DC-DC SUB P.C.BOARD (VEP81216A) CBA-14
MOTHER P.C.BOARD (VEP89134A) CBA-16
MECHA I/F P.C.BOARD (VEP82231A) CBA-18
FRONT CPU P.C.BOARD (VEP86297B) CBA-19

FRONT SW P.C.BOARD (VEP80B44A).. CBA-20
AES/EBU P.C.BOARD (VEP84332A)... CBA-21
UP FRONT 1 P.C.BOARD (VEP80B43A).. CBA-21
F5 SUB : SDI RX P.C.BOARD (VEP83459B)... CBA-22
F5 SUB : SDI TX P.C.BOARD (VEP83460B) CBA-24
CMPST OUT P.C.BOARD (VEP83467B) CBA-26
H3 : CUE P.C.BOARD (VEP84347A) CBA-28
H4,5 : RFEQ 100 P.C.BOARD (VEP85181B)
/RF EQ SUB P.C.BOARD (VEP85199A) CBA-30
HEAD BUFF 100 P.C.BOARD (VEP85180A).. CBA-32
REAR JACK P.C.BOARD (VEP83478A).. CBA-34
POWER 1 P.C.BOARD (VEP81200B).. CBA-36
POWER 2 P.C.BOARD (VEP81201A).. CBA-38
POWER PACK P.C.BOARD (VEP81202A)... CBA-40
AUDIO JACK P.C.BOARD (VEP84303B) CBA-41
FRONT CPU SUB P.C.BOARD (VEP86298A) CBA-41

SECTION 6

CIRCUIT BOARD DIAGRAMS

NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

F2 SUB : A JOG P.C.BOARD (VEP84346A) CBA-1
F1 : A ADDA P.C.BOARD (VEP84333A) CBA-2
F2 : A PROC P.C.BOARD (VEP84334C) CBA-4
F3 : REC PB P.C.BOARD (VEP83464B) CBA-6
F4 : V PROC P.C.BOARD (VEP83465B) CBA-8
F5 : SDI P.C.BOARD (VEP83466B) CBA-10
F6 : SYSCON P.C.BOARD (VEP86296C) CBA-12
F7 : SERVO P.C.BOARD (VEP82225B)
/DC-DC SUB P.C.BOARD (VEP81216A) CBA-14
MOTHER P.C.BOARD (VEP89134A) CBA-16
MECHA I/F P.C.BOARD (VEP82231A) CBA-18
FRONT CPU P.C.BOARD (VEP86297B) CBA-19

FRONT SW P.C.BOARD (VEP80B44A)........ CBA-20
AES/EBU P.C.BOARD (VEP84332A)........ CBA-21
UP FRONT 1 P.C.BOARD (VEP80B43A)........ CBA-21
F5 SUB : SDI RX P.C.BOARD (VEP83459B)........ CBA-22
F5 SUB : SDI TX P.C.BOARD (VEP83460B)........ CBA-24
CMPST OUT P.C.BOARD (VEP83467B)........ CBA-26
H3 : CUE P.C.BOARD (VEP84347A)........ CBA-28
H4,5 : RFEQ 100 P.C.BOARD (VEP85181B)
/RF EQ SUB P.C.BOARD (VEP85199A)........ CBA-30
HEAD BUFF 100 P.C.BOARD (VEP85180A)........ CBA-32
REAR JACK P.C.BOARD (VEP83478A)........ CBA-34
POWER 1 P.C.BOARD (VEP81200B)........ CBA-36
POWER 2 P.C.BOARD (VEP81201A)........ CBA-38
POWER PACK P.C.BOARD (VEP81202A)........ CBA-40
AUDIO JACK P.C.BOARD (VEP84303B)........ CBA-41
FRONT CPU SUB P.C.BOARD (VEP86298A)........ CBA-41

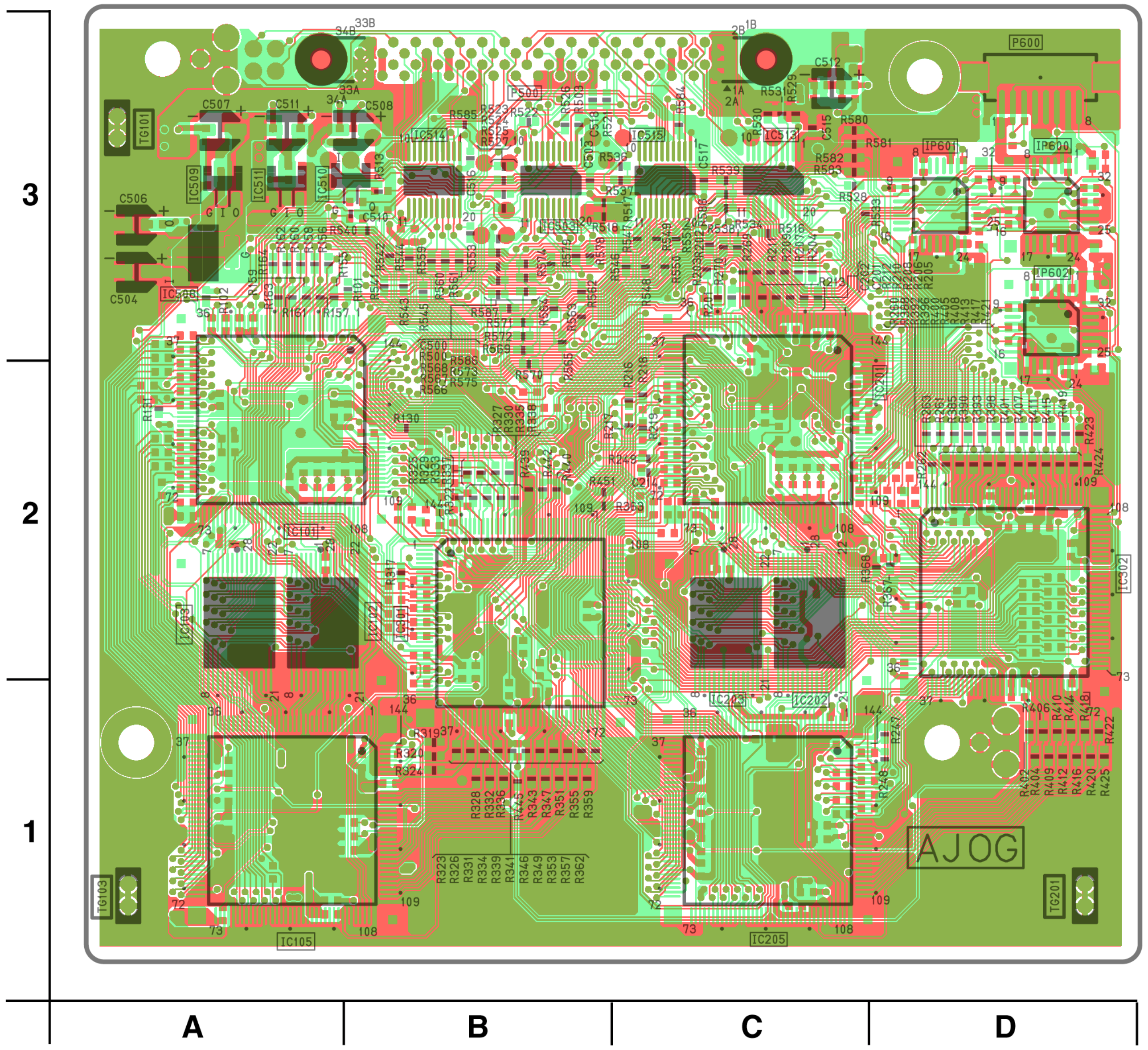
A JOG P.C.BOARD (VEP84346A)

COMPONENT SIDE

REF	LOC	REF	LOC
IC101	A-2	IC510	A-3
IC102	A-2	IC511	A-3
IC103	A-2	IC513	C-3
IC105	A-1	IC514	B-3
IC201	C-2	IC515	C-3
IC202	C-2	IP600	D-3
IC203	C-2	IP601	D-3
IC205	C-3	IP602	D-3
IC301	B-2	P500	B-3
IC302	D-2	P600	D-3
IC503	B-3	TG101	A-3
IC508	A-3	TG103	A-1
IC509	A-3	TG201	D-1

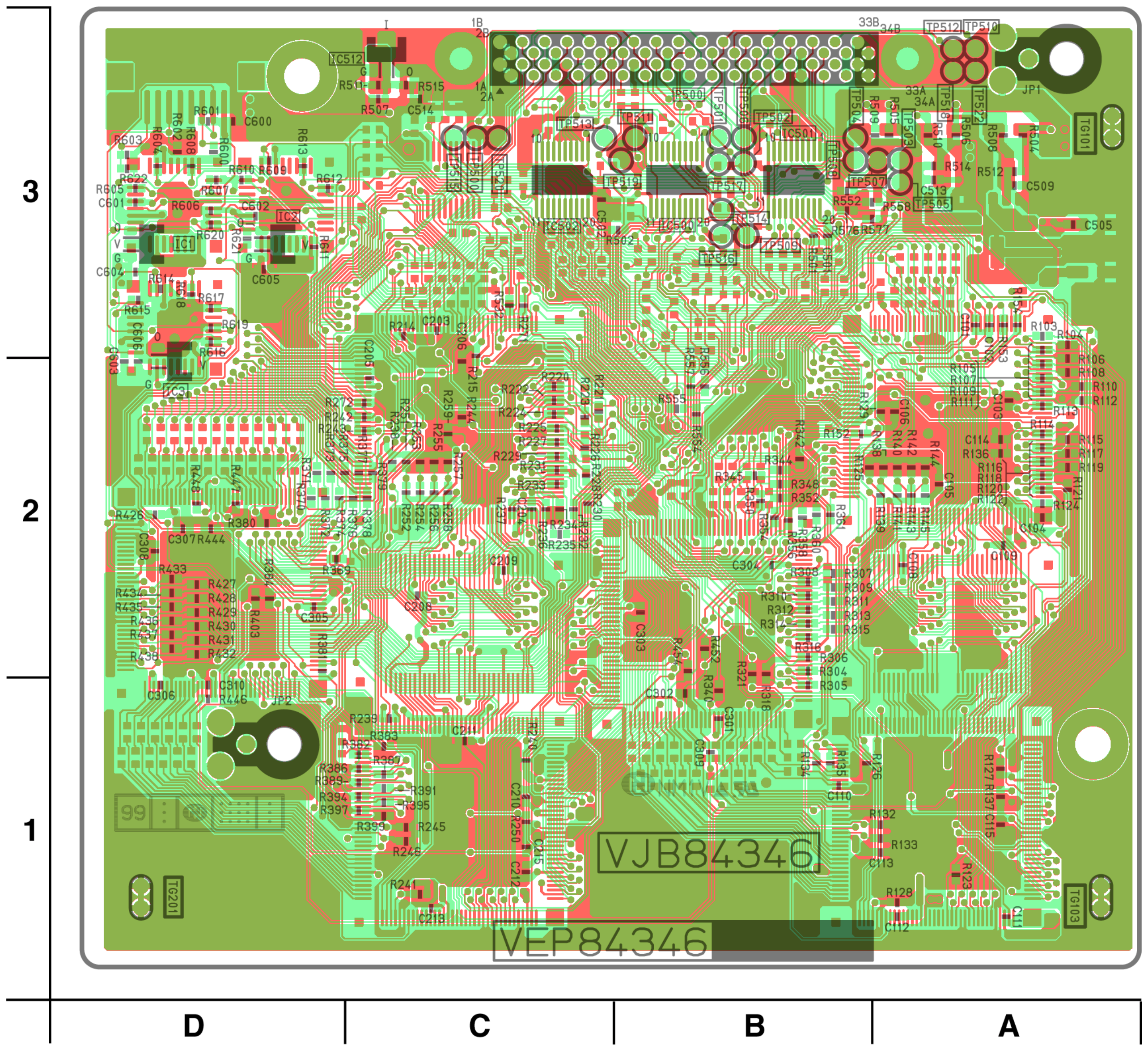
FOIL SIDE

REF	LOC	REF	LOC
IC1	D-3	TP506	B-3
IC2	D-3	TP507	A-3
IC3	D-3	TP508	A-3
IC500	B-3	TP509	B-3
IC501	B-3	TP510	A-3
IC502	C-3	TP511	B-3
IC512	C-3	TP512	A-3
P500	B-3	TP513	B-3
TG101	A-3	TP514	B-3
TG103	A-1	TP515	C-3
TG201	D-1	TP516	B-3
TP500	C-3	TP517	B-3
TP501	B-3	TP518	A-3
TP502	B-3	TP519	B-3
TP503	A-3	TP520	C-3
TP504	A-3	TP522	A-3
TP505	A-3		


3
2
1
A
B
C
D
AJOG
P600
IC101
IC103
IC105
IC201
IC202
IC205
IC302
TG101
TG103
TG201

(COMPONENT SIDE)

CBA-1


3
2
1
D
C
B
A
VJB84346
VEP84346
IC512
IC1
IC2
IC3
TG101
TG103
TG201

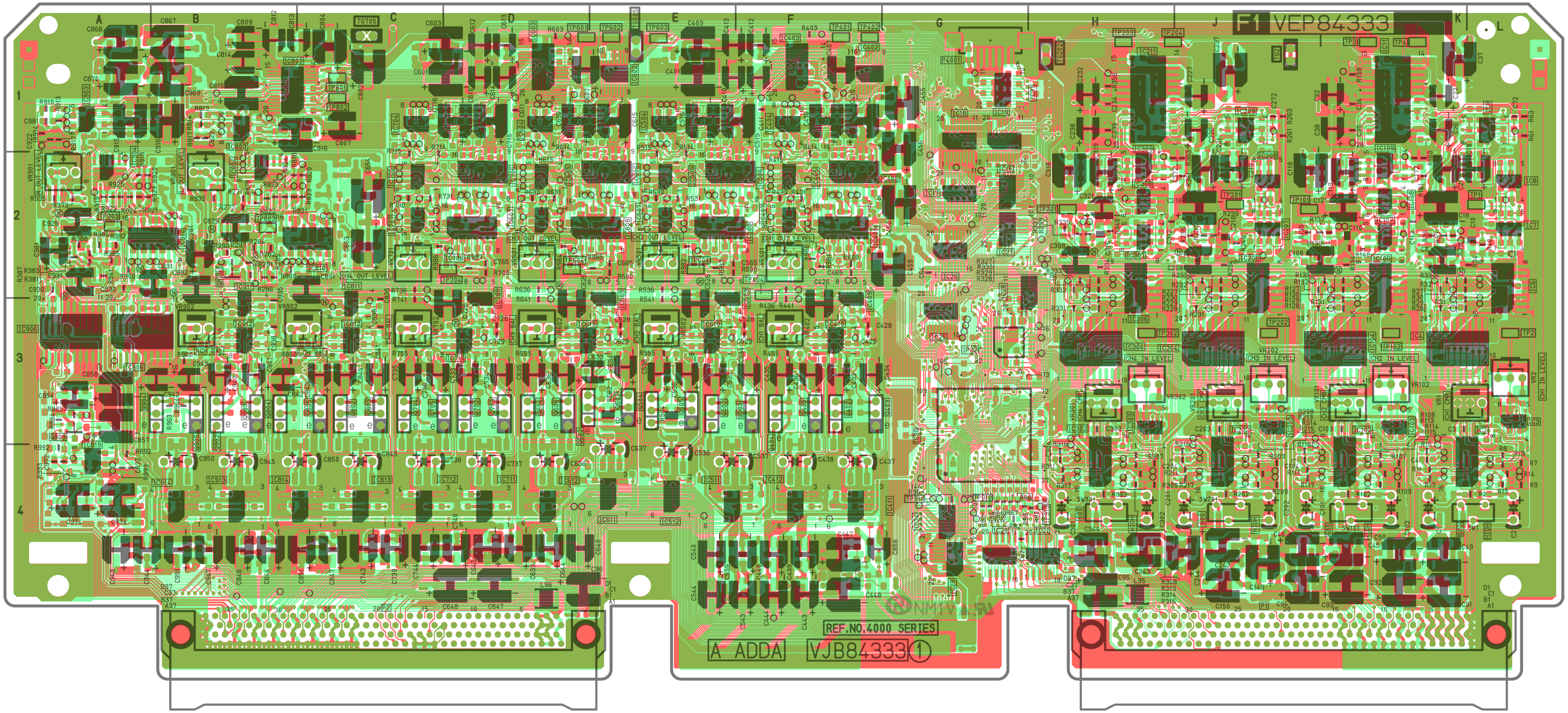
(FOIL SIDE)

CBA-1

A ADDA P. C.BOARD (VEP84333A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	L-3	IC21	H-4	IC107	K-2	IC304	H-3	IC410	F-3	IC603	D-1	IC707	C-2	IC813	C-4	P2	C-5	Q605	D-3	Q905	B-3	TP202	J-3	TP704	D-2	VR202	J-3	VR901	A-2
IC3	L-3	IC24	G-4	IC108	K-2	IC306	H-3	IC411	G-4	IC604	D-1	IC708	D-2	IC814	B-4	P4001	G-1	Q702	D-3	QR281	B-2	TP203	H-1	TP801	C-1	VR301	H-3	VR902	B-3
IC4	K-3	IC25	G-3	IC109	K-1	IC307	H-2	IC412	F-4	IC605	D-2	IC709	D-2	IC819	A-3	Q402	F-3	Q703	D-3	TG2	J-1	TP204	H-1	TP802	C-1	VR302	H-3		
IC6	L-2	IC26	G-2	IC202	J-3	IC308	H-2	IC504	E-1	IC606	E-2	IC710	D-3	IC903	A-1	Q403	G-3	Q704	C-3	TG202	H-1	TP301	H-2	TP803	B-2	VR401	F-2		
IC7	L-2	IC27	G-2	IC203	J-3	IC309	H-1	IC505	E-2	IC607	D-2	IC711	D-4	IC904	A-1	Q404	F-3	Q705	C-3	TG505	E-1	TP302	H-3	TP903	A-2	VR402	F-3		
IC8	L-2	IC28	G-2	IC204	H-3	IC402	F-1	IC506	F-2	IC608	E-2	IC712	D-4	IC906	A-3	Q405	F-3	Q802	C-3	TG705	C-1	TP401	F-1	TP911	G-4	VR501	E-2		
IC9	L-1	IC29	G-5	IC206	J-2	IC403	F-1	IC507	E-2	IC609	E-2	IC802	B-1	IC910	B-2	Q502	E-3	Q803	C-3	TP1	L-2	TP402	F-1	TP912	G-4	VR502	E-3		
IC11	K-1	IC30	G-3	IC207	J-2	IC404	F-1	IC508	F-2	IC610	D-3	IC803	B-1	IC911	B-2	Q503	F-3	Q804	B-3	TP2	L-3	TP404	F-2	TP913	H-4	VR601	D-2		
IC15	G-2	IC31	H-1	IC208	J-2	IC405	F-2	IC509	F-2	IC611	E-4	IC804	B-2	IC912	B-3	Q504	E-3	Q805	C-3	TP3	K-1	TP504	E-2	VR1	K-3	VR602	D-3		
IC17	G-2	IC102	K-3	IC209	J-1	IC406	G-2	IC510	E-3	IC612	D-4	IC806	A-3	IC913	B-4	Q505	E-3	Q809	A-3	TP4	K-1	TP601	D-1	VR2	L-3	VR701	C-2		
IC18	G-1	IC103	K-3	IC211	H-1	IC407	F-2	IC511	E-4	IC704	C-1	IC810	C-2	IC914	B-4	Q602	D-3	Q902	B-3	TP101	J-2	TP602	E-1	VR101	J-3	VR702	C-3		
IC19	G-1	IC104	K-3	IC302	H-3	IC408	F-2	IC512	E-4	IC705	C-2	IC811	C-2	IP32	G-3	Q603	E-3	Q903	B-3	TP102	K-3	TP603	E-1	VR102	K-3	VR801	B-2		
IC20	G-4	IC106	K-2	IC303	H-3	IC409	F-2	IC602	E-1	IC706	D-2	IC812	C-3	P1	J-5	Q604	D-3	Q904	A-3	TP201	J-2	TP604	D-2	VR201	J-3	VR802	B-3		



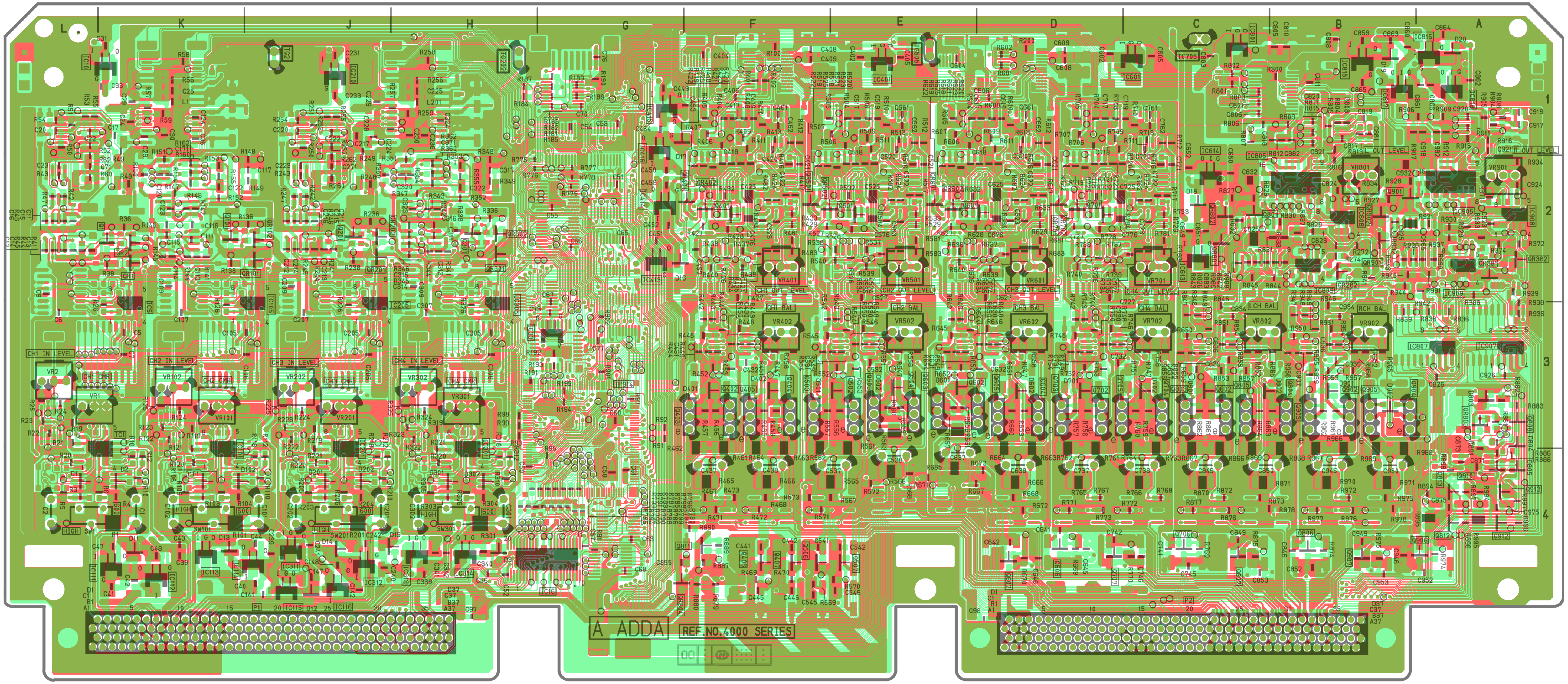
(COMPONENT SIDE)

CBA-2

CBA-2

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	K-3	IC201	J-4	IC416	G-1	IC905	A-2	Q404	F-3	Q603	E-3	Q802	C-3	Q903	B-3	QR282	B-2	QR801	C-2	VR101	K-3	VR702	C-3
IC5	K-3	IC205	H-3	IC601	C-1	IC907	A-3	Q405	F-3	Q604	D-3	Q803	C-3	Q904	B-3	QR301	H-2	QR802	C-2	VR102	K-3	VR801	B-2
IC10	L-1	IC210	J-1	IC613	C-2	IC908	A-2	Q406	F-4	Q605	D-3	Q804	B-3	Q905	B-3	QR302	H-2	QR803	A-3	VR201	L-3	VR802	C-3
IC16	G-4	IC301	H-3	IC614	C-1	IC909	A-2	Q407	F-4	Q606	D-4	Q805	C-3	Q906	A-4	QR381	A-2	QR804	G--5	VR202	L-3	VR901	A-2
IC33	H-3	IC305	H-3	IC801	C-1	P1	J-5	Q501	E-2	Q607	D-4	Q806	B-4	Q907	B-4	QR382	A-2	QR901	B-2	VR301	H-3	VR902	B-3
IC101	K-4	IC311	J-4	IC805	C-1	P2	C-5	Q502	E-3	Q701	D-2	Q807	C-4	Q912	A-4	QR401	F-2	QR902	B-2	VR302	H-3		
IC105	J-3	IC312	J-4	IC807	A-3	Q1	K-2	Q503	F-3	Q702	D-3	Q808	A-3	Q913	A-4	QR402	F-2	TG2	J-1	VR401	F-2		
IC111	K-4	IC313	H-4	IC808	B-2	Q101	K-2	Q504	E-3	Q703	D-3	Q810	A-4	QR1	K-2	QR501	F-2	TG202	H-1	VR402	F-3		
IC112	K-4	IC314	H-4	IC809	B-2	Q201	J-2	Q505	E-3	Q704	C-3	Q811	F-4	QR2	K-2	QR502	F-2	TG505	E-1	VR501	E-2		
IC113	K-4	IC401	E-1	IC815	B-1	Q301	H-2	Q506	F-4	Q705	D-3	Q812	A-4	QR101	J-2	QR601	E-2	TG705	C-1	VR502	E-3		
IC114	K-4	IC413	G-2	IC816	A-1	Q401	F-2	Q507	E-4	Q706	C-4	Q813	A-4	QR102	J-2	QR602	E-2	TP914	G-3	VR601	D-2		
IC115	J-5	IC414	G-2	IC817	B-1	Q402	F-3	Q601	E-2	Q707	D-4	Q901	B-2	QR201	J-2	QR701	D-2	VR1	L-3	VR602	D-3		
IC116	J-5	IC415	G-1	IC818	A-1	Q403	G-3	Q602	D-3	Q801	B-2	Q902	B-3	QR202	H-2	QR702	D-2	VR2	L-3	VR701	C-2		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REF.NO.4000 SERIES

(FOIL SIDE)

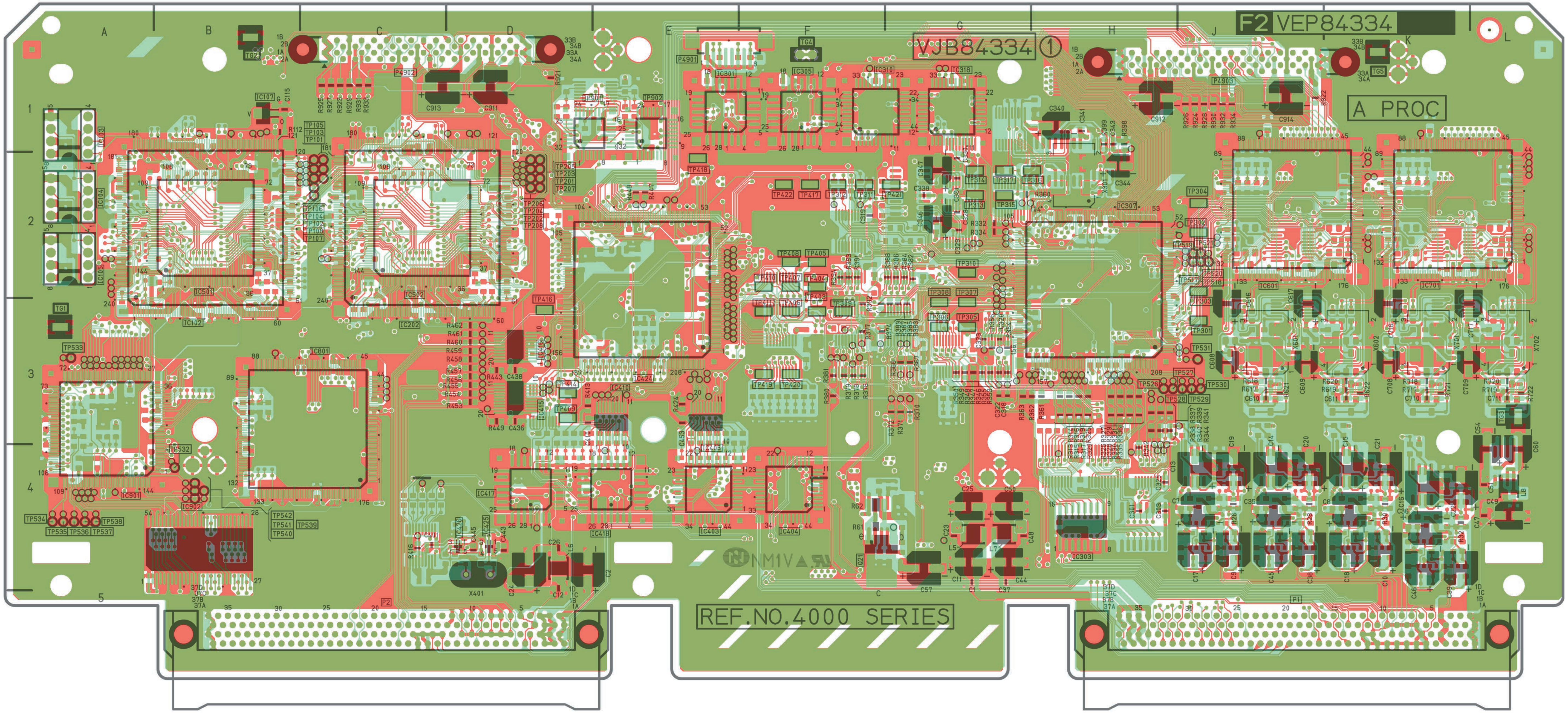
CBA-3

CBA-3

A PROC P.C.BOARD (VEP84334C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC102	B-3	IC404	F-4	IC701	K-2	TG2	B-1	TP202	D-2	TP307	G-2	TP405	F-2	TP421	G-2	TP532	B-4
IC103	A-1	IC405	E-4	IC801	C-3	TG3	L-3	TP203	D-2	TP308	G-2	TP406	F-3	TP422	F-2	TP533	A-3
IC104	A-2	IC410	E-3	IC901	A-4	TG4	F-1	TP204	D-2	TP309	F-3	TP407	F-2	TP517	J-2	TP534	A-4
IC105	A-2	IC415	D-3	IC902	B-4	TG5	K-1	TP205	D-2	TP310	G-2	TP408	F-2	TP518	J-2	TP535	A-4
IC107	B-1	IC416	D-3	IP901	D-1	TP101	C-1	TP206	D-2	TP311	F-2	TP409	D-3	TP519	J-2	TP536	A-4
IC202	C-3	IC417	D-4	IP902	E-1	TP102	C-2	TP207	D-2	TP312	F-2	TP410	F-2	TP520	J-2	TP537	A-4
IC301	E-1	IC418	E-4	P1	J-5	TP103	C-1	TP208	D-2	TP313	G-2	TP411	F-3	TP521	J-2	TP538	A-4
IC303	H-4	IC424	E-3	P2	C-5	TP104	C-2	TP301	J-3	TP314	G-2	TP414	D-3	TP526	H-3	TP539	C-4
IC305	F-1	IC425	D-4	P4901	E-1	TP105	C-1	TP302	J-2	TP315	G-2	TP416	D-3	TP527	J-3	TP540	B-4
IC307	H-2	IC426	D-4	P4902	C-1	TP106	C-2	TP303	J-3	TP316	H-2	TP417	F-2	TP528	J-3	TP541	B-4
IC310	F-1	IC501	B-2	P4903	J-1	TP107	C-2	TP304	J-2	TP317	G-2	TP418	E-2	TP529	J-3	TP542	B-4
IC318	G-1	IC502	C-2	Q21	F-4	TP108	C-2	TP305	G-3	TP403	F-2	TP419	F-3	TP530	J-3		
IC403	E-4	IC601	J-2	TG1	A-3	TP201	D-2	TP306	G-3	TP404	F-2	TP420	F-3	TP531	J-3		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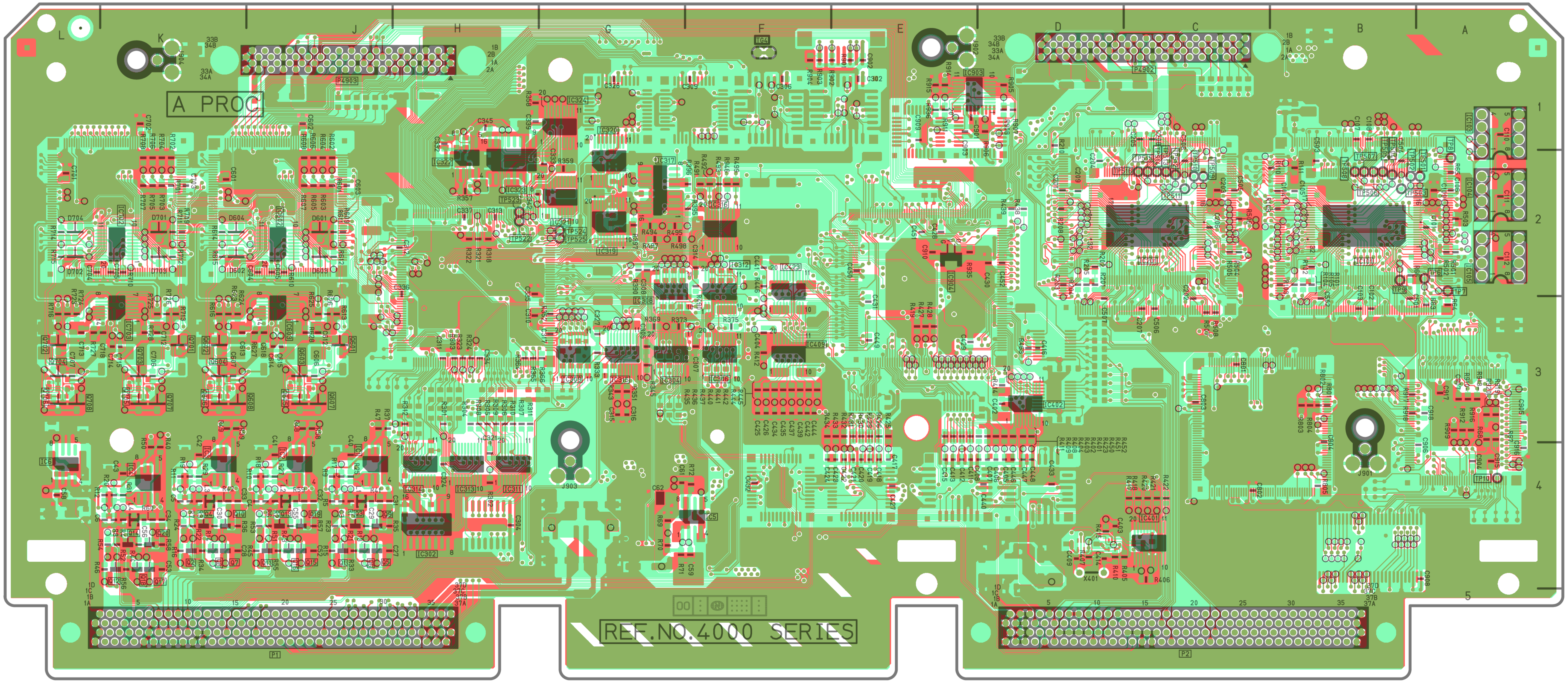
(COMPONENT SIDE)

CBA-4

CBA-4

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	J-4	IC306	F-3	IC322	H-2	P1	J-5	Q10	K-4	Q603	J-3	Q708	L-3	TP507	B-2	TP525	G-2
IC2	J-4	IC308	G-3	IC323	H-2	P2	C-5	Q11	J-4	Q604	K-3	TG4	F-1	TP508	B-2		
IC3	K-4	IC309	G-3	IC324	G-1	P4902	C-1	Q12	K-4	Q605	J-3	TP6	A-2	TP509	C-2		
IC4	K-4	IC311	H-4	IC401	C-4	P4903	J-1	Q13	J-4	Q606	K-3	TP7	A-2	TP510	C-2		
IC5	F-4	IC312	F-2	IC402	D-3	Q1	J-4	Q14	K-4	Q607	J-3	TP8	A-1	TP511	C-2		
IC6	L-4	IC313	H-4	IC409	F-3	Q2	K-4	Q15	J-4	Q608	J-3	TP9	B-2	TP512	C-2		
IC101	B-2	IC314	H-4	IC423	F-2	Q3	J-4	Q16	J-4	Q701	K-3	TP10	A-4	TP513	C-2		
IC103	A-1	IC315	G-3	IC602	J-2	Q4	K-4	Q17	K-4	Q702	L-3	TP501	A-2	TP514	C-2		
IC104	A-2	IC316	F-2	IC603	J-3	Q5	J-4	Q18	K-4	Q703	K-3	TP502	B-2	TP515	C-2		
IC105	A-2	IC317	G-2	IC703	K-3	Q6	J-4	Q19	J-4	Q704	L-3	TP503	A-2	TP516	C-2		
IC201	C-2	IC319	G-2	IC903	E-1	Q7	K-4	Q20	K-4	Q705	K-3	TP504	B-2	TP522	H-2		
IC302	H-4	IC320	G-1	IC904	E-2	Q8	K-4	Q601	J-3	Q706	L-3	TP505	B-2	TP523	H-2		
IC304	G-3	IC321	G-2	K702	K-2	Q9	J-4	Q602	K-3	Q707	K-3	TP506	B-2	TP524	G-2		



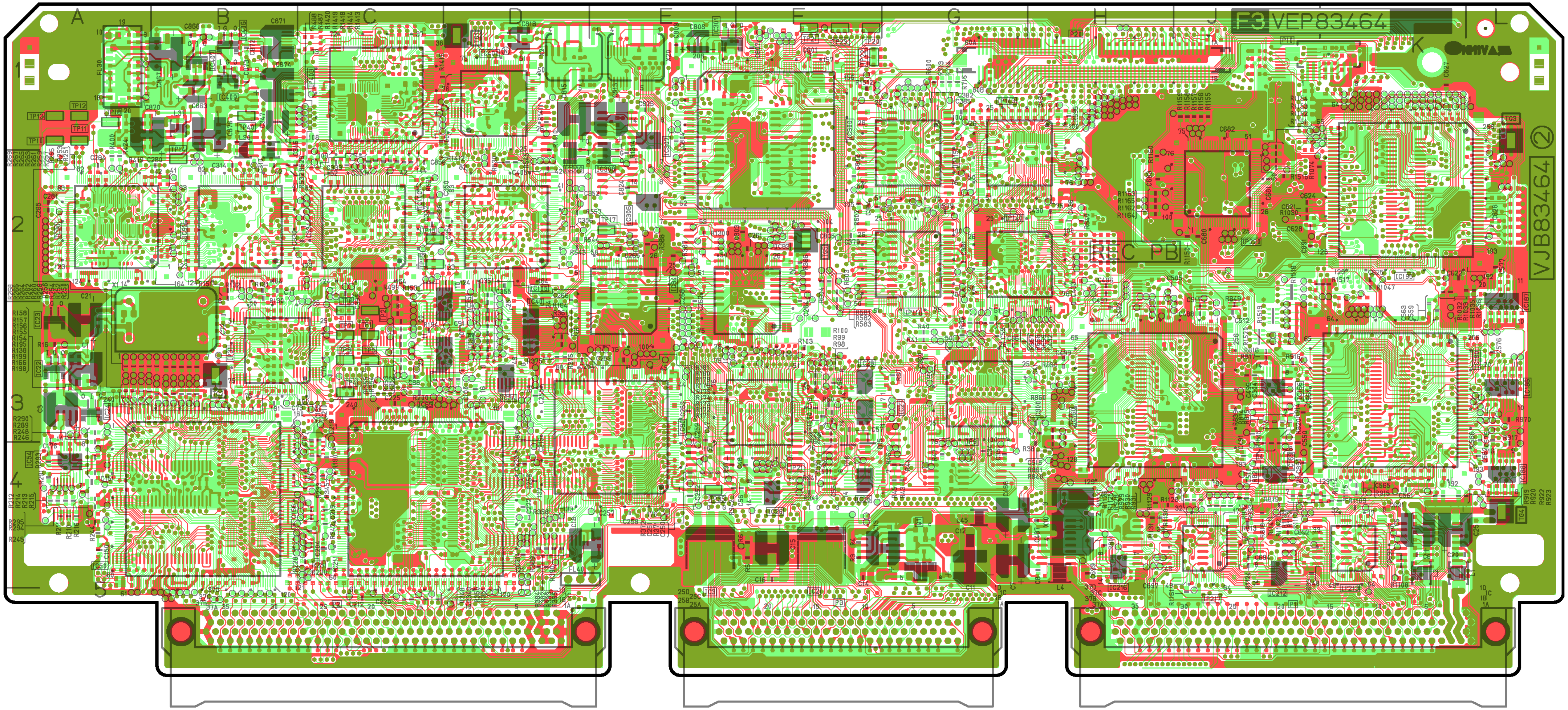
(FOIL SIDE)

CBA-5

CBA-5

REC PB C.B.A. (VEP83464B)

IC22	A3	IC83	F2	IC216	H4	IP115	G2	TG3	L1	TP21	F1
IC23	A3	IC84	F2	IC300	F1	IP140	G2	TG4	L4	TP22	F1
IC24	A3	IC90	A2	IC301	F1	IP143	G2	TG5	F2	TP23	F1
IC25	F4	IC95	B2	IC306	F2	IP213	K4	TP1	C3	X1	A3
IC26	F4	IC100	C2	IC307	F1	IP217	J4	TP2	C3	X10	H4
IC27	F3	IC105	D2	IC308	F2	IP220	J2	TP10	A1	X20	F1
IC28	F3	IC160	H3	IC309	D2	IP403	C1	TP11	A1	X21	D1
IC34	D3	IC166	J3	IC400	D1	P1	J5	TP12	A1		
IC35	D3	IC169	J4	IC406	B1	P2	C5	TP13	A1		
IC39	D3	IC180	K3	IC407	B1	P3	F5	TP14	B2		
IC40	D3	IC186	L3	IC409	B1	P10	K1	TP15	C2		
IC50	B4	IC187	L2	IP9	G3	P20	H1	TP16	C2		
IC54	A4	IC188	L4	IP21	F3	Q1	G4	TP17	F2		



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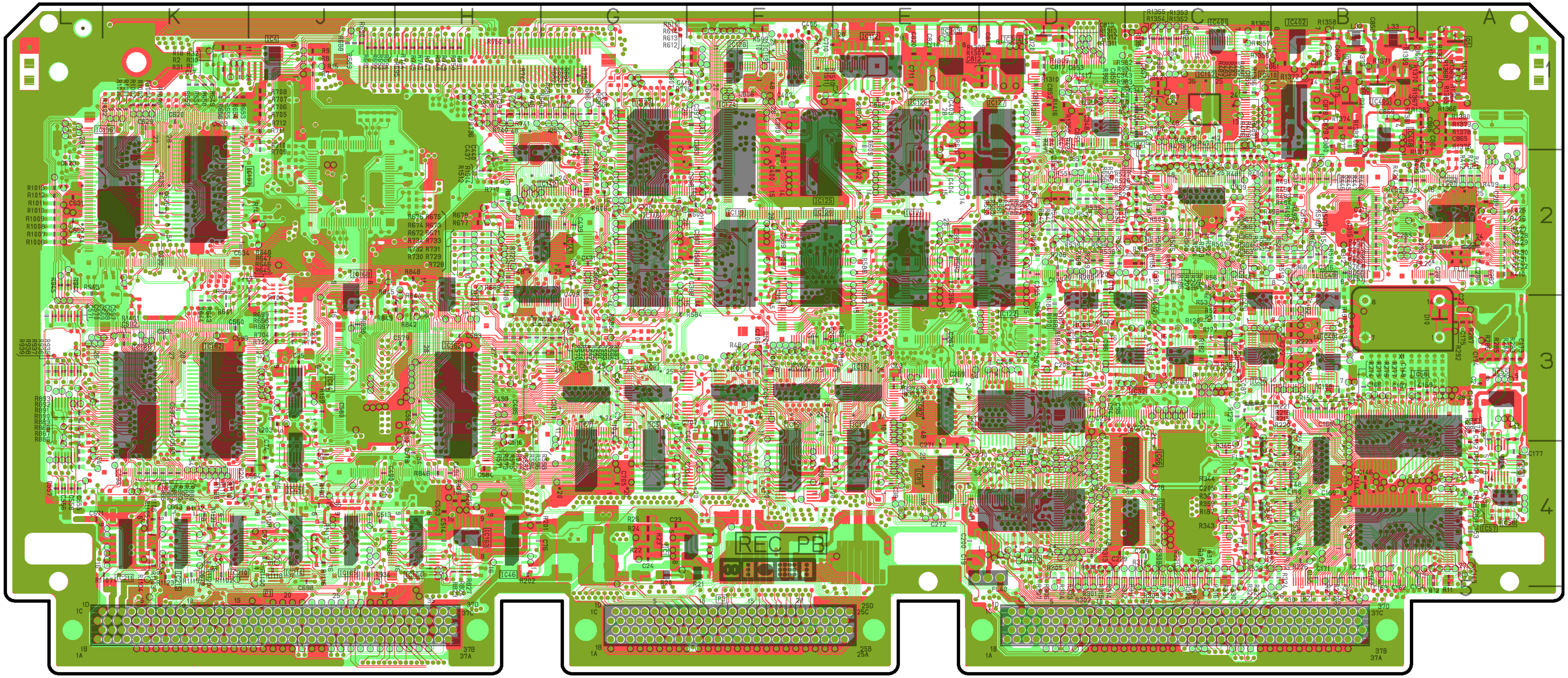
(COMPONENT SIDE)

CBA-6

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	F4	IC41	D2	IC66	C4	IC118	G2	IC164	H4	IC402	B1
IC4	J1	IC42	C2	IC67	C4	IC119	F2	IC165	J4	IC405	B1
IC5	G4	IC43	C2	IC70	D4	IC120	F2	IC167	H2	IC408	B1
IC6	G3	IC44	J3	IC71	D3	IC121	E2	IC168	J2	IC410	B1
IC7	G4	IC45	J4	IC81	E4	IC122	D2	IC181	K3	Q5	A1
IC8	G3	IC46	H4	IC82	E3	IC123	G2	IC182	K3	Q6	B1
IC10	F4	IC48	B3	IC91	A2	IC124	F2	IC196	K2	Q7	B1
IC11	F3	IC49	B2	IC101	C2	IC125	F2	IC197	K2		
IC17	E4	IC51	B4	IC102	C1	IC126	E2	IC210	J4		
IC18	E3	IC52	B4	IC103	C1	IC127	D2	IC211	K4		
IC19	F4	IC53	A4	IC104	C1	IC128	F1	IC214	J4		
IC20	F3	IC55	A3	IC106	D1	IC141	G2	IC215	K4		
IC30	C3	IC56	B3	IC110	G2	IC142	G2	IC303	E1		
IC32	C3	IC57	B4	IC112	E1	IC162	H3	IC304	D1		
IC33	C3	IC58	A4	IC113	F1	IC163	H4	IC401	C1		



(FOIL SIDE)

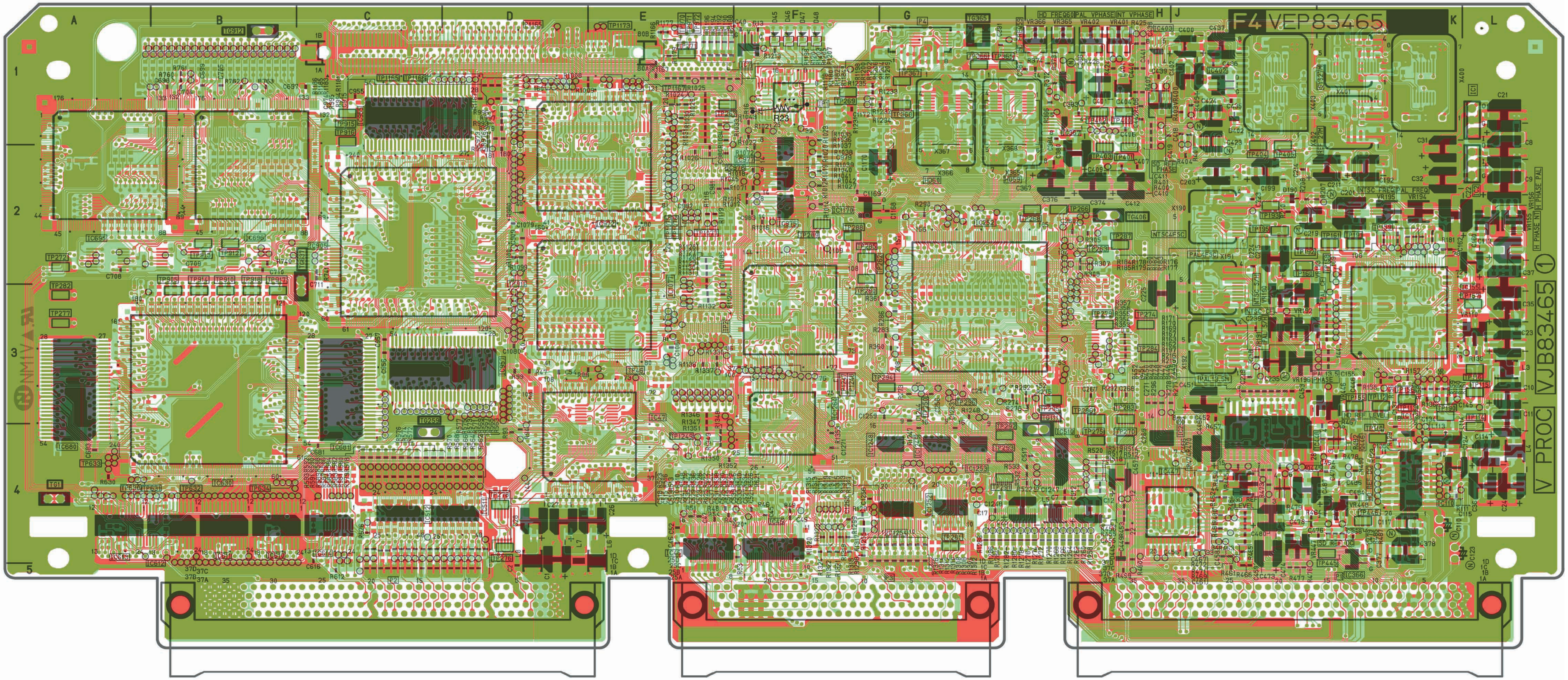
CBA-7

CBA-7

V PROC P.C.BOARD (VEP83465B)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	L-1	IC403	H-1	IC695	A-2	IC1253	G-4	TG259	C-3	TP157	L-3	TP267	E-1	TP282	A-3	TP365	G-1	TP632	B-4	TP971	E-1	VR156	L-2	VR446	K-3
IC2	L-2	IC447	J-4	IC696	B-2	IC1254	G-4	TG365	G-1	TP158	K-2	TP268	H-2	TP283	H-3	TP366	G-1	TP633	A-4	TP972	E-1	VR190	J-3	VR447	J-4
IC7	F-1	IC448	J-4	IC905	C-2	IC1264	F-3	TG406	H-2	TP159	K-2	TP269	F-1	TP284	H-3	TP367	G-1	TP634	B-4	TP1075	E-2	VR191	J-3	VR448	K-4
IC45	F-4	IC510	H-4	IC955	C-1	IP1	F-1	TG637	C-2	TP160	J-2	TP270	H-4	TP285	F-2	TP368	G-1	TP905	B-2	TP1076	E-2	VR192	J-3		
IC46	E-4	IC511	D-4	IC957	D-3	IP2	E-3	TG912	B-1	TP161	K-2	TP271	E-1	TP286	H-3	TP400	H-1	TP910	B-2	TP1077	E-2	VR193	J-3		
IC47	E-3	IC512	C-4	IC972	E-2	P1	K-5	TP46	E-3	TP190	K-3	TP272	A-2	TP287	H-2	TP401	H-2	TP911	D-2	TP1165	C-1	VR194	K-2		
IC110	K-4	IC610	B-4	IC975	F-2	P2	C-5	TP110	K-4	TP191	K-2	TP274	H-3	TP288	F-2	TP402	H-1	TP912	B-2	TP1166	D-1	VR195	K-2		
IC113	K-3	IC611	B-4	IC977	F-2	P3	G-5	TP112	K-3	TP192	J-2	TP275	H-4	TP289	F-2	TP403	H-2	TP913	B-2	TP1167	E-1	VR196	J-3		
IC155	L-3	IC612	B-4	IC978	F-2	P4	G-1	TP113	K-3	TP193	J-2	TP276	D-4	TP291	G-4	TP404	J-2	TP914	B-2	TP1173	E-1	VR365	H-1		
IC252	G-2	IC613	A-4	IC1077	E-2	P1165	D-1	TP114	L-3	TP195	J-2	TP277	A-3	TP292	G-4	TP405	J-2	TP915	C-1	TP1247	F-3	VR366	H-1		
IC258	J-4	IC614	C-4	IC1170	F-2	Q445	J-4	TP115	L-3	TP250	G-3	TP278	D-4	TP293	G-4	TP445	K-4	TP916	C-1	TP1248	F-3	VR400	J-1		
IC366	K-5	IC630	B-4	IC1248	F-4	Q446	K-4	TP116	L-3	TP262	F-2	TP279	H-3	TP294	G-3	TP446	K-4	TP917	B-2	TP1249	E-4	VR401	H-1		
IC367	H-1	IC680	A-4	IC1249	G-4	TG1	A-4	TP155	K-3	TP263	H-2	TP280	F-3	TP295	H-3	TP630	A-4	TP918	B-2	VR110	L-3	VR402	H-1		
IC402	J-1	IC681	C-4	IC1252	G-4	TG111	H-3	TP156	K-3	TP266	H-2	TP281	G-4	TP296	G-3	TP631	A-4	TP970	E-1	VR155	L-2	VR445	J-4		



(COMPONENT SIDE)

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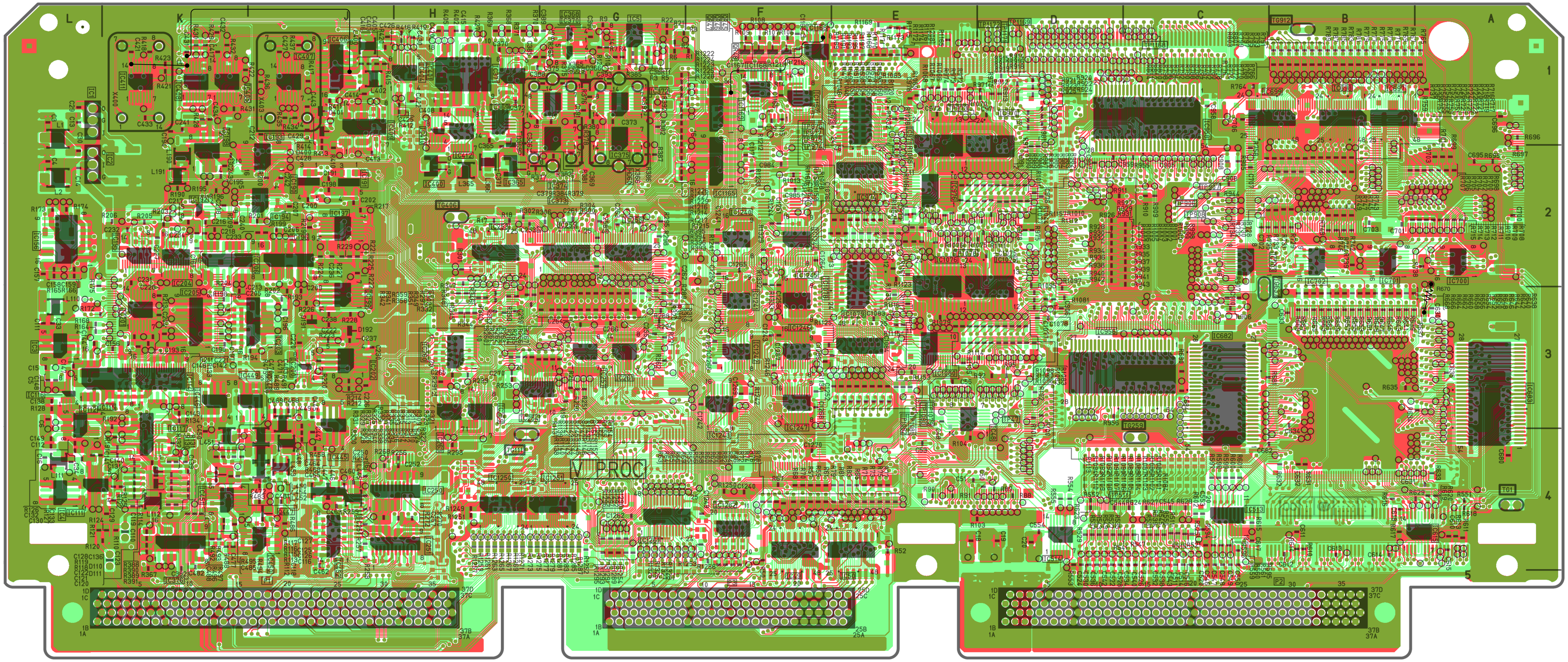
FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	L-1	IC156	L-2	IC203	J-3	IC263	H-4	IC405	J-2	IC513	C-4	IC970	D-1	IC1169	F-1	P2	B-5	TP47	D-3	TP1082	E-3
IC2	K-2	IC190	J-2	IC204	K-2	IC365	H-2	IC406	J-1	IC514	D-4	IC971	E-1	IC1240	F-2	P3	F-5	TP511	D-4	TP1168	C-1
IC3	L-3	IC191	J-2	IC205	K-3	IC368	G-1	IC407	J-1	IC615	A-4	IC973	E-1	IC1241	F-3	Q447	J-4	TP906	C-2	TP1169	D-1
IC4	L-4	IC192	K-2	IC206	J-2	IC369	H-1	IC408	K-1	IC682	C-3	IC974	E-2	IC1242	F-3	Q448	J-3	TP907	C-2	TP1171	D-1
IC5	G-1	IC193	J-1	IC250	H-4	IC370	G-1	IC409	J-1	IC683	A-3	IC976	E-2	IC1243	F-3	QR45	F-1	TP908	C-2	TP1172	D-1
IC48	E-3	IC194	J-2	IC251	H-4	IC371	H-1	IC410	H-1	IC697	B-1	IC1075	D-2	IC1244	F-2	QR46	F-1	TP973	E-1		
IC49	F-4	IC195	K-2	IC253	H-2	IC372	G-1	IC411	K-1	IC698	B-1	IC1076	E-2	IC1245	F-2	QR47	F-1	TP974	E-1		
IC50	E-4	IC196	J-2	IC254	H-3	IC373	G-2	IC412	H-2	IC699	B-1	IC1078	E-2	IC1246	F-3	QR48	F-1	TP975	E-1		
IC111	L-4	IC197	J-2	IC255	G-2	IC374	G-2	IC445	J-4	IC700	A-2	IC1079	E-3	IC1247	F-3	TG1	A-4	TP976	E-1		
IC112	L-3	IC198	K-1	IC256	G-2	IC375	G-2	IC446	K-3	IC701	B-2	IC1080	E-3	IC1250	H-4	TG111	H-4	TP977	E-1		
IC114	K-3	IC199	J-3	IC257	G-3	IC376	K-5	IC449	J-3	IC702	B-2	IC1165	F-2	IC1251	G-4	TG259	C-3	TP1078	E-2		
IC115	K-3	IC200	J-3	IC259	H-3	IC400	H-2	IC450	J-4	IC703	C-2	IC1166	F-1	IC1261	G-4	TG406	H-2	TP1079	E-3		
IC116	L-3	IC201	K-3	IC260	H-3	IC401	H-1	IC451	K-4	IC956	D-3	IC1167	F-1	IC1262	F-4	TG637	B-2	TP1080	E-3		
IC117	K-4	IC202	J-3	IC261	G-3	IC404	H-1	IC452	J-4	IC958	C-1	IC1168	F-1	P1	J-5	TG912	B-1	TP1081	E-3		



(FOIL SIDE)

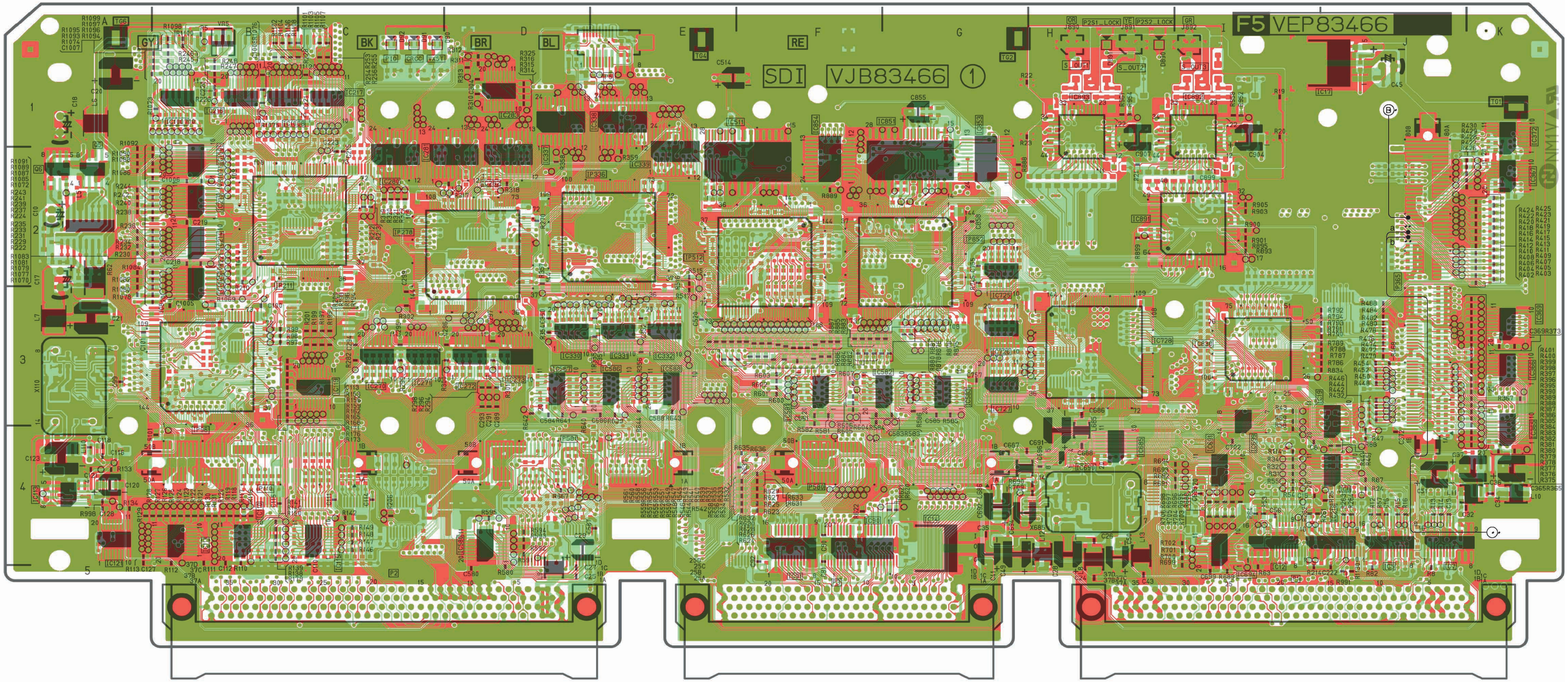
CBA-9

CBA-9

SDI P.C.BOARD (VEP83466B)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5	J-4	IC215	B-2	IC338	E-1	IC690	H-4	IC1006	B-2	P581	D-4
IC7	J-4	IC216	B-1	IC339	E-2	IC691	I-4	IC1007	B-1	Q5	A-1
IC8	J-4	IC217	C-1	IC365	K-3	IC694	I-4	IC1008	B-1	Q6	A-2
IC12	I-4	IC218	J-4	IC366	K-3	IC699	I-3	IP96	B-3	TG1	K-1
IC14	G-4	IC270	C-3	IC367	K-2	IC725	G-2	IP211	B-2	TG2	G-1
IC17	J-1	IC271	C-3	IC369	K-3	IC726	G-3	IP278	D-2	TG4	E-1
IC19	J-3	IC272	D-3	IC372	K-1	IC727	G-3	IP336	E-2	TG6	A-1
IC90	F-4	IC273	D-3	IC511	F-1	IC728	H-3	IP512	F-2	VR5	B-1
IC91	F-4	IC280	C-2	IC580	D-4	IC830	I-3	IP852	G-2		
IC110	B-4	IC281	C-2	IC581	F-3	IC851	G-2	P1	I-5		
IC111	B-4	IC282	D-2	IC582	G-3	IC853	G-2	P2	C-5		
IC113	A-4	IC283	D-1	IC583	G-3	IC854	F-2	P3	F-5		
IC115	C-4	IC330	D-3	IC586	E-3	IC891	I-2	P5	E-1		
IC119	C-3	IC331	E-3	IC587	D-3	IC892	I-1	P110	B-4		
IC121	A-4	IC332	E-3	IC588	E-3	IC893	H-1	P365	J-2		
IC214	B-2	IC337	D-2	IC685	H-4	IC1005	B-2	P580	F-4		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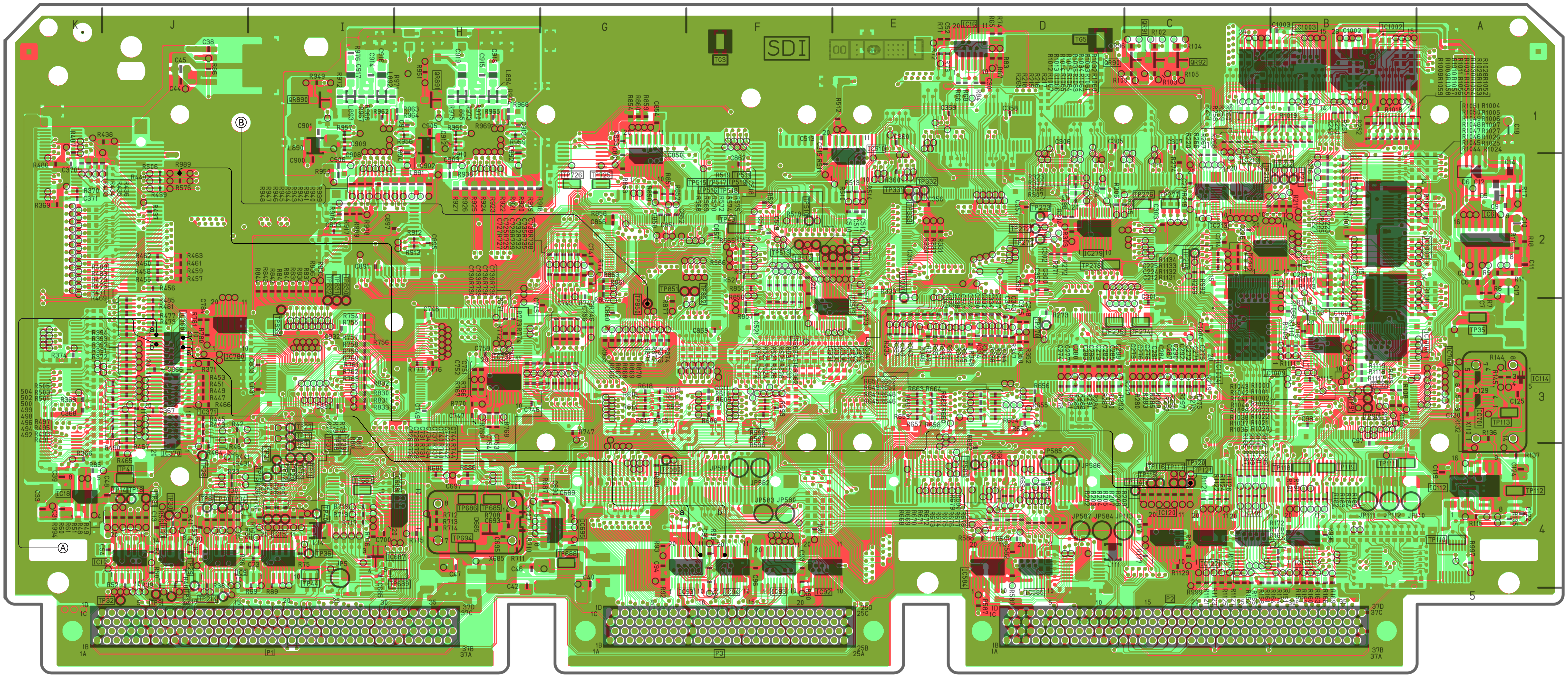
(COMPONENT SIDE)

CBA-10

CBA-10

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC6	A-2	IC122	C-4	IC701	A-3	QR890	I-1	TP21	I-4	TP43	F-2	TP121	C-4	TP331	E-2	TP687	I-4
IC9	J-4	IC212	C-2	IC730	H-3	QR891	H-1	TP27	I-3	TP44	I-4	TP210	C-2	TP332	E-2	TP688	G-4
IC10	J-4	IC213	C-2	IC780	J-3	TG3	F-1	TP28	J-4	TP90	B-3	TP211	B-2	TP333	E-2	TP689	H-4
IC15	I-4	IC219	C-2	IC850	G-1	TG5	D-1	TP29	J-4	TP91	B-3	TP212	B-2	TP510	F-2	TP694	H-4
IC16	E-1	IC279	D-2	IC1000	B-3	TP7	I-4	TP30	J-4	TP92	B-3	TP213	B-2	TP511	F-2	TP725	G-2
IC18	K-4	IC368	J-3	IC1001	B-2	TP8	J-4	TP31	J-4	TP110	A-4	TP214	J-5	TP512	F-2	TP726	G-2
IC21	J-4	IC370	J-3	IC1002	B-1	TP9	J-5	TP32	J-5	TP111	B-4	TP270	D-3	TP513	F-2	TP830	I-3
IC92	F-4	IC371	J-3	IC1003	B-1	TP10	J-4	TP34	J-4	TP112	A-4	TP271	D-2	TP515	F-2	TP831	I-3
IC93	F-4	IC510	E-1	IC1004	C-3	TP11	I-4	TP35	A-3	TP113	A-3	TP272	D-2	TP516	F-2	TP832	I-3
IC94	F-4	IC513	E-3	IC1009	B-3	TP13	J-5	TP36	I-4	TP114	C-4	TP273	D-2	TP517	F-2	TP833	I-3
IC95	F-4	IC584	D-4	P1	I-5	TP14	J-4	TP37	I-4	TP115	C-4	TP274	C-3	TP518	F-2	TP850	G-3
IC112	A-4	IC585	D-4	P2	C-5	TP15	I-4	TP38	I-4	TP116	C-4	TP275	D-3	TP519	F-2	TP851	G-2
IC114	A-3	IC687	I-4	P3	F-5	TP17	I-3	TP39	I-4	TP117	C-4	TP276	C-2	TP580	G-4	TP852	F-2
IC117	B-4	IC695	G-4	QR90	C-1	TP18	J-4	TP40	I-4	TP118	B-4	TP277	C-2	TP581	E-4		
IC118	C-4	IC698	H-4	QR91	C-1	TP19	I-4	TP41	J-4	TP119	B-4	TP278	D-2	TP685	H-4		
IC120	C-4	IC700	A-3	QR92	C-1	TP20	I-4	TP42	I-4	TP120	C-4	TP330	E-2	TP686	H-4		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(FOIL SIDE)

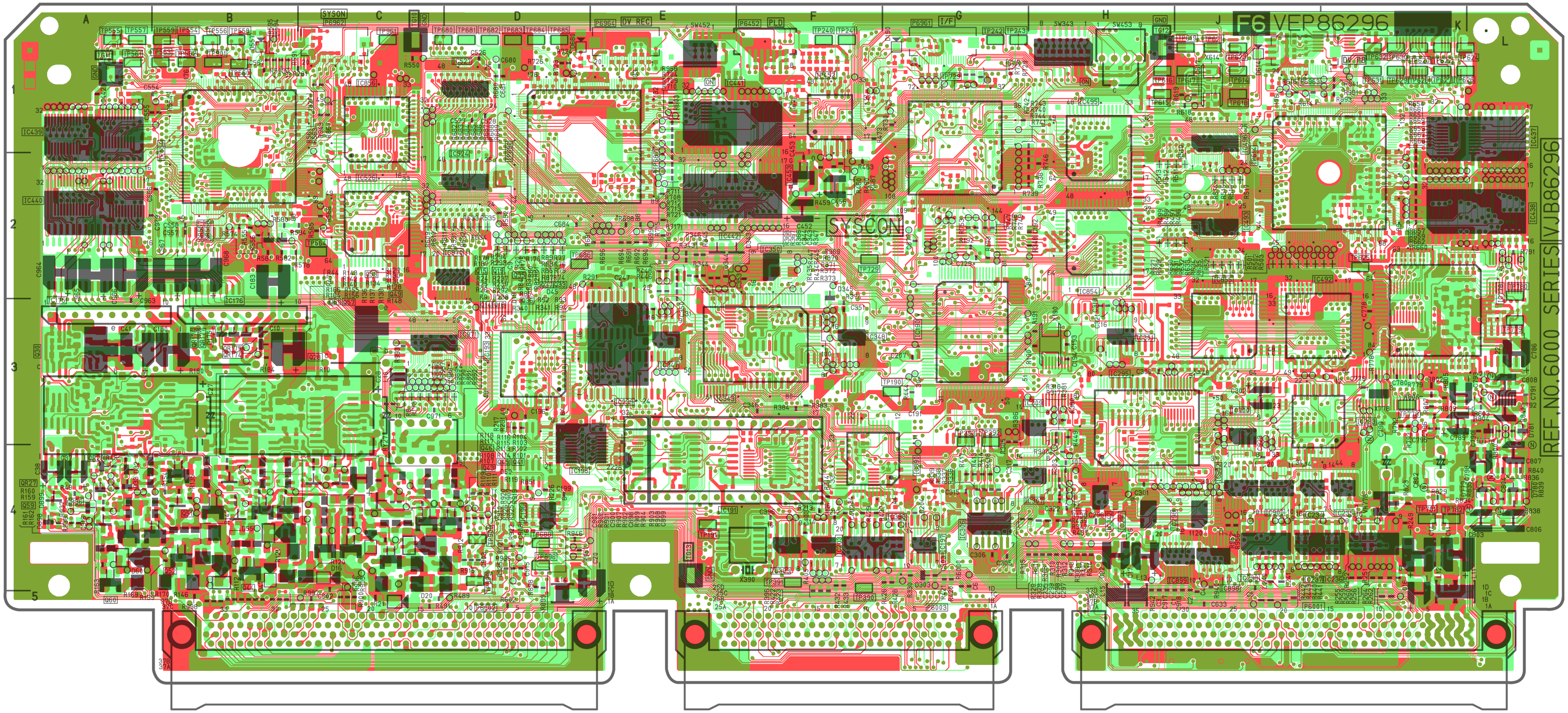
CBA-11

CBA-11

SYSCON P.C.BOARD (VEP86296C)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC175	A-3	IC295	H-3	IC437	L-1	IC855	J-3	P6452	F-1	Q43	D-4	QR176	B-3	TP392	G-3	TP617	J-1	TP680	C-1	TP899	D-4
IC176	B-3	IC297	H-4	IC438	L-2	IC856	C-1	P6961	G-1	Q44	B-4	QR177	B-3	TP393	G-3	TP618	J-1	TP681	D-1	TP900	D-4
IC190	G-3	IC298	J-4	IC439	A-1	IC898	J-4	P6962	C-1	Q45	D-4	QR557	B-2	TP554	B-1	TP619	J-1	TP682	D-1	TP901	B-1
IC191	E-4	IC300	J-3	IC440	A-2	IC899	J-4	P6963	J-1	Q46	D-4	QR558	B-2	TP555	A-1	TP620	K-1	TP683	D-1	TP961	C-1
IC193	D-3	IC301	H-3	IC441	E-1	IC900	J-4	P6964	E-1	Q49	C-2	TG10	C-1	TP556	B-1	TP621	J-1	TP684	D-1	VR778	K-4
IC195	D-4	IC306	G-4	IC442	E-2	IC902	J-4	Q14	D-3	Q51	B-4	TG11	A-1	TP557	A-1	TP622	K-1	TP685	D-1		
IC196	D-4	IC307	H-4	IC453	F-2	IC970	D-2	Q15	D-2	Q52	B-4	TG12	H-1	TP558	B-1	TP623	J-1	TP686	D-2		
IC197	G-4	IC309	H-3	IC492	K-3	IC971	C-3	Q18	D-3	Q53	C-2	TG13	E-4	TP559	B-1	TP624	K-1	TP687	E-2		
IC203	F-4	IC342	H-4	IC493	J-2	IP452	F-1	Q19	D-2	Q57	C-2	TP190	G-3	TP560	B-1	TP625	K-2	TP688	D-4		
IC233	K-3	IC343	E-3	IC495	H-1	IP554	B-1	Q28	C-3	Q59	A-4	TP191	E-4	TP561	A-1	TP626	K-1	TP729	F-2		
IC234	J-4	IC347	E-3	IC496	J-1	IP614	J-2	Q30	A-3	Q60	A-4	TP240	F-1	TP562	B-1	TP627	K-1	TP778	K-3		
IC235	K-4	IC348	F-3	IC524	D-2	IP680	D-1	Q33	D-2	Q61	C-2	TP241	F-1	TP563	B-1	TP628	K-1	TP779	L-3		
IC236	K-4	IC350	F-2	IC526	C-2	IP729	G-1	Q35	D-2	QR27	A-4	TP242	G-1	TP564	C-2	TP629	K-1	TP780	L-3		
IC237	J-4	IC390	F-4	IC527	D-1	P6001	J-5	Q36	D-3	QR36	A-4	TP243	G-1	TP614	J-1	TP630	K-1	TP781	K-4		
IC238	J-4	IC393	F-4	IC778	K-3	P6002	D-5	Q37	D-2	QR174	B-3	TP390	F-4	TP615	H-1	TP631	K-1	TP782	K-4		
IC239	E-3	IC396	G-4	IC854	H-2	P6003	G-5	Q41	D-4	QR175	B-3	TP391	F-4	TP616	H-1	TP632	K-1	TP898	D-4		



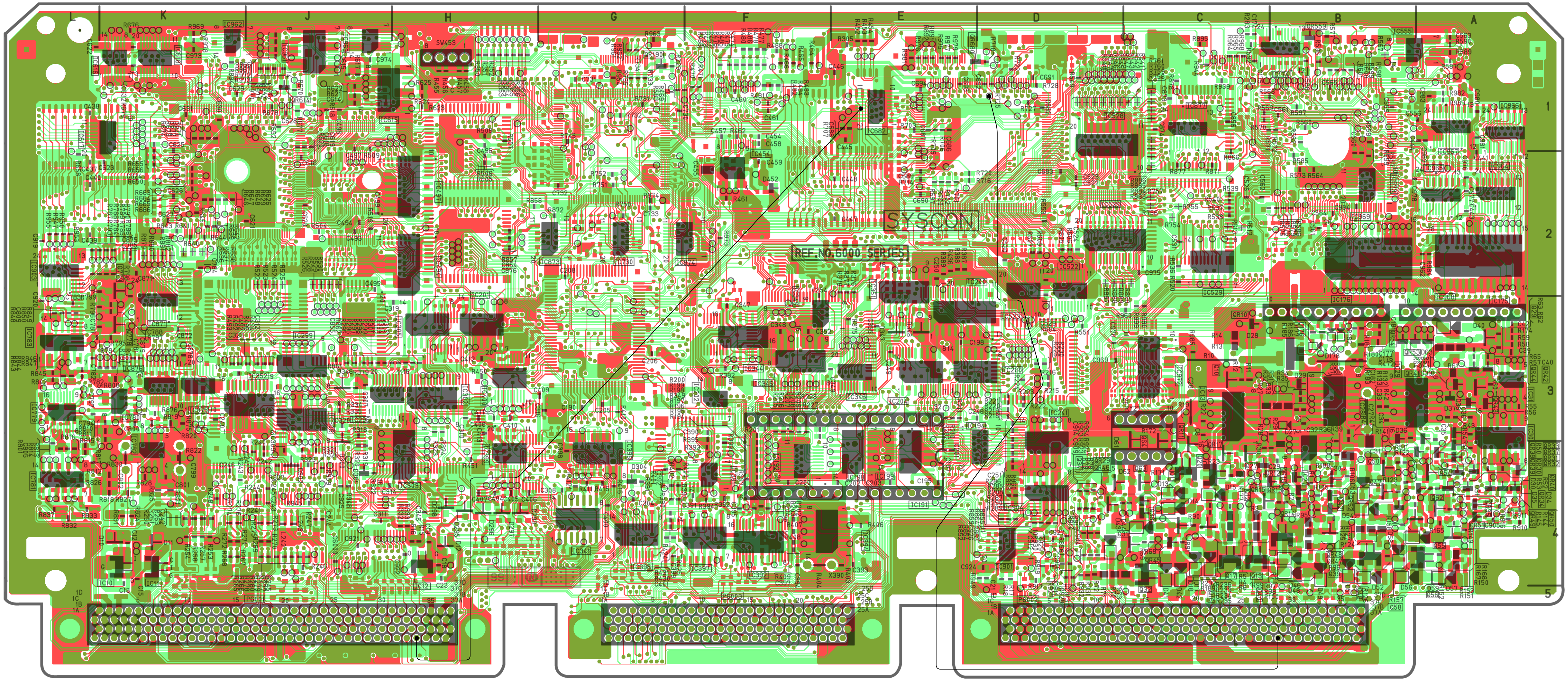
CBA-12

(COMPONENT SIDE)

CBA-12

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC10	K-4	IC199	E-4	IC346	E-3	IC523	D-2	IC871	K-3	IC968	A-2	Q31	C-4	Q64	C-3	QR34	A-4	QR51	A-4
IC11	K-4	IC200	D-3	IC349	F-3	IC525	D-2	IC873	G-2	IC969	B-2	Q32	C-4	Q778	K-3	QR35	A-4	QR52	B-4
IC12	H-4	IC201	H-3	IC351	E-2	IC528	D-1	IC874	F-2	IC972	C-3	Q34	D-4	Q779	K-2	QR37	A-4	QR53	B-3
IC13	C-3	IC202	F-3	IC352	J-3	IC529	C-2	IC875	K-3	IC973	B-2	Q38	C-4	QR10	C-3	QR38	B-3	QR54	B-3
IC27	B-4	IC204	E-3	IC391	F-4	IC555	B-1	IC876	K-3	P6001	J-5	Q39	B-4	QR11	C-3	QR39	A-4	QR190	G-1
IC28	B-3	IC240	E-3	IC392	F-4	IC615	J-1	IC877	C-1	P6002	D-5	Q40	B-5	QR12	B-4	QR40	A-4	QR559	B-1
IC29	B-3	IC241	D-3	IC394	F-4	IC616	K-1	IC901	D-4	P6003	F-5	Q42	B-4	QR13	B-4	QR41	A-3	QR614	J-1
IC30	A-3	IC296	J-3	IC395	G-4	IC617	K-1	IC903	L-2	Q10	C-3	Q47	B-4	QR14	B-4	QR42	A-3	QR680	E-1
IC31	A-3	IC299	J-3	IC397	F-4	IC618	K-1	IC904	D-4	Q11	C-4	Q48	B-4	QR15	C-4	QR43	A-3		
IC174	B-1	IC302	H-3	IC398	G-4	IC682	E-1	IC961	J-1	Q12	C-4	Q50	B-4	QR16	B-4	QR44	A-3		
IC175	A-3	IC303	H-4	IC399	H-4	IC730	G-2	IC962	K-1	Q13	C-4	Q54	A-4	QR17	C-4	QR45	C-4		
IC176	B-3	IC305	H-3	IC400	H-3	IC779	L-3	IC963	J-1	Q16	C-4	Q55	A-4	QR29	C-4	QR46	C-4		
IC191	E-4	IC308	J-3	IC454	F-2	IC780	K-3	IC964	A-2	Q17	C-4	Q56	A-4	QR30	A-4	QR47	B-4		
IC192	F-4	IC341	G-4	IC494	H-2	IC781	L-4	IC965	A-2	Q20	C-4	Q58	B-4	QR31	A-4	QR48	B-4		
IC194	E-3	IC344	F-3	IC497	H-2	IC782	K-4	IC966	A-1	Q27	C-4	Q62	A-4	QR32	A-4	QR49	A-4		
IC198	E-4	IC345	F-3	IC522	D-2	IC783	L-3	IC967	A-1	Q29	A-3	Q63	C-4	QR33	A-3	QR50	A-4		



(FOIL SIDE)

CBA-13

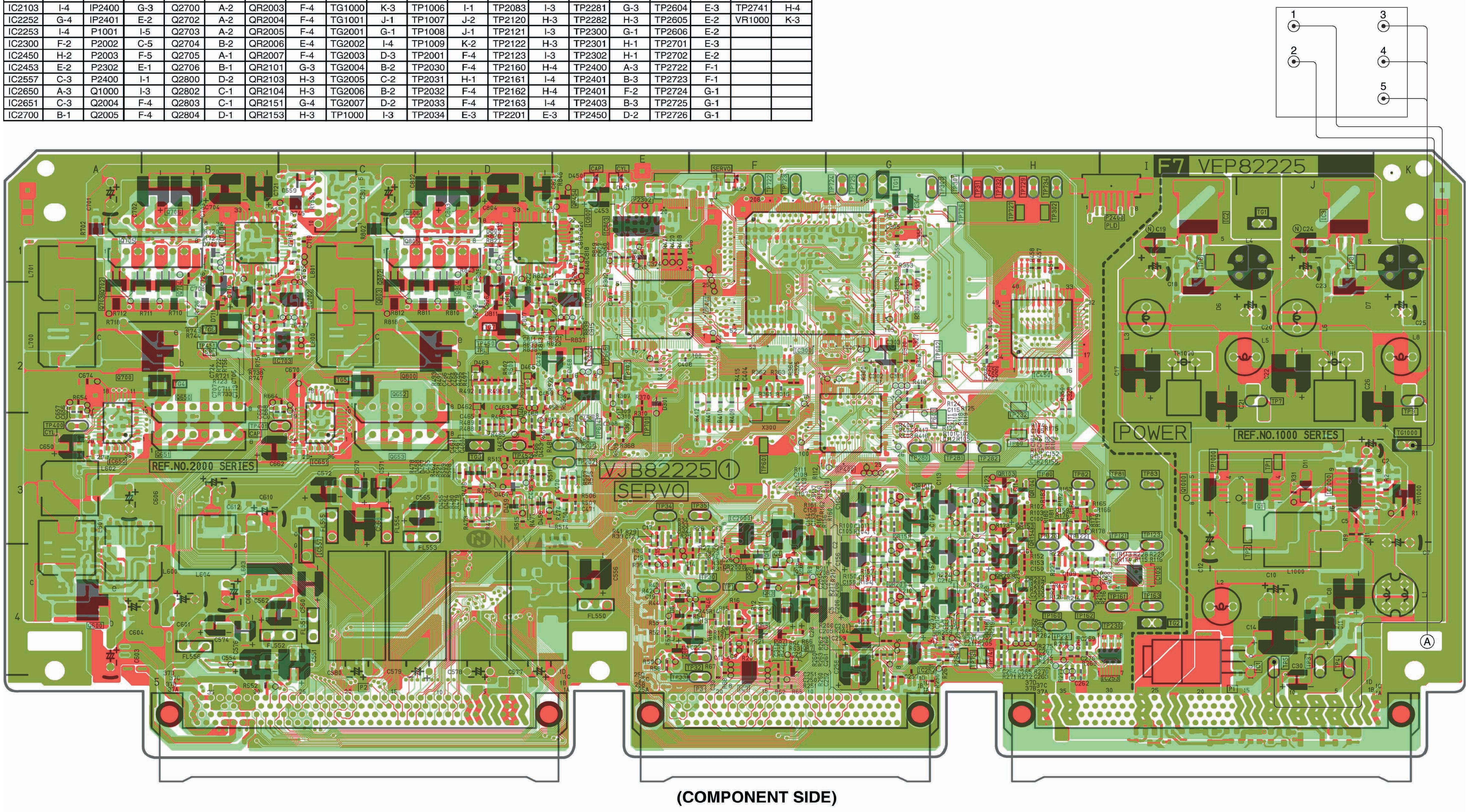
CBA-13

SERVO P.C.BOARD (VEP82225B) / DC-DC SUB P.C.BOARD (VEP81216A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1000	J-3	IC2702	C-2	Q2600	A-4	Q2805	C-1	QR2154	H-3	TP1001	J-3	TP2035	F-3	TP2202	E-3	TP2451	B-2	TP2727	H-1
IC1002	I-1	IC2703	C-2	Q2650	B-2	Q2806	C-1	QR2201	G-4	TP1002	J-4	TP2060	H-3	TP2230	I-4	TP2452	D-3	TP2729	H-1
IC1003	J-1	IC2800	D-1	Q2651	B-3	QR2000	F-4	QR2203	H-4	TP1003	J-4	TP2080	H-3	TP2231	H-4	TP2601	F-3	TP2731	H-4
IC2000	F-3	IC2802	E-2	Q2652	C-2	QR2001	F-4	QR2204	H-4	TP1004	J-4	TP2081	I-3	TP2232	H-2	TP2602	G-2	TP2732	H-1
IC2007	F-5	IC2803	E-1	Q2653	C-3	QR2002	F-4	QR2454	E-1	TP1005	J-4	TP2082	H-3	TP2280	G-3	TP2603	G-3	TP2734	H-1
IC2103	I-4	IP2400	G-3	Q2700	A-2	QR2003	F-4	TG1000	K-3	TP1006	I-1	TP2083	I-3	TP2281	G-3	TP2604	E-3	TP2741	H-4
IC2252	G-4	IP2401	E-2	Q2702	A-2	QR2004	F-4	TG1001	J-1	TP1007	J-2	TP2120	H-3	TP2282	H-3	TP2605	E-2	VR1000	K-3
IC2253	I-4	P1001	I-5	Q2703	A-2	QR2005	F-4	TG2001	G-1	TP1008	J-1	TP2121	I-3	TP2300	G-1	TP2606	E-2		
IC2300	F-2	P2002	C-5	Q2704	B-2	QR2006	E-4	TG2002	I-4	TP1009	K-2	TP2122	H-3	TP2301	H-1	TP2701	E-3		
IC2450	H-2	P2003	F-5	Q2705	A-1	QR2007	F-4	TG2003	D-3	TP2001	F-4	TP2123	I-3	TP2302	H-1	TP2702	E-2		
IC2453	E-2	P2302	E-1	Q2706	B-1	QR2101	G-3	TG2004	B-2	TP2030	F-4	TP2160	H-4	TP2400	A-3	TP2722	F-1		
IC2557	C-3	P2400	I-1	Q2800	D-2	QR2103	H-3	TG2005	C-2	TP2031	H-1	TP2161	I-4	TP2401	B-3	TP2723	F-1		
IC2650	A-3	Q1000	I-3	Q2802	C-1	QR2104	H-3	TG2006	B-2	TP2032	F-4	TP2162	H-4	TP2401	F-2	TP2724	G-1		
IC2651	C-3	Q2004	F-4	Q2803	C-1	QR2151	G-4	TG2007	D-2	TP2033	F-4	TP2163	I-4	TP2403	B-3	TP2725	G-1		
IC2700	B-1	Q2005	F-4	Q2804	D-1	QR2153	H-3	TP1000	I-3	TP2034	E-3	TP2201	E-3	TP2450	D-2	TP2726	G-1		

DC-DC SUB P.C.BOARD (VEP81216A)



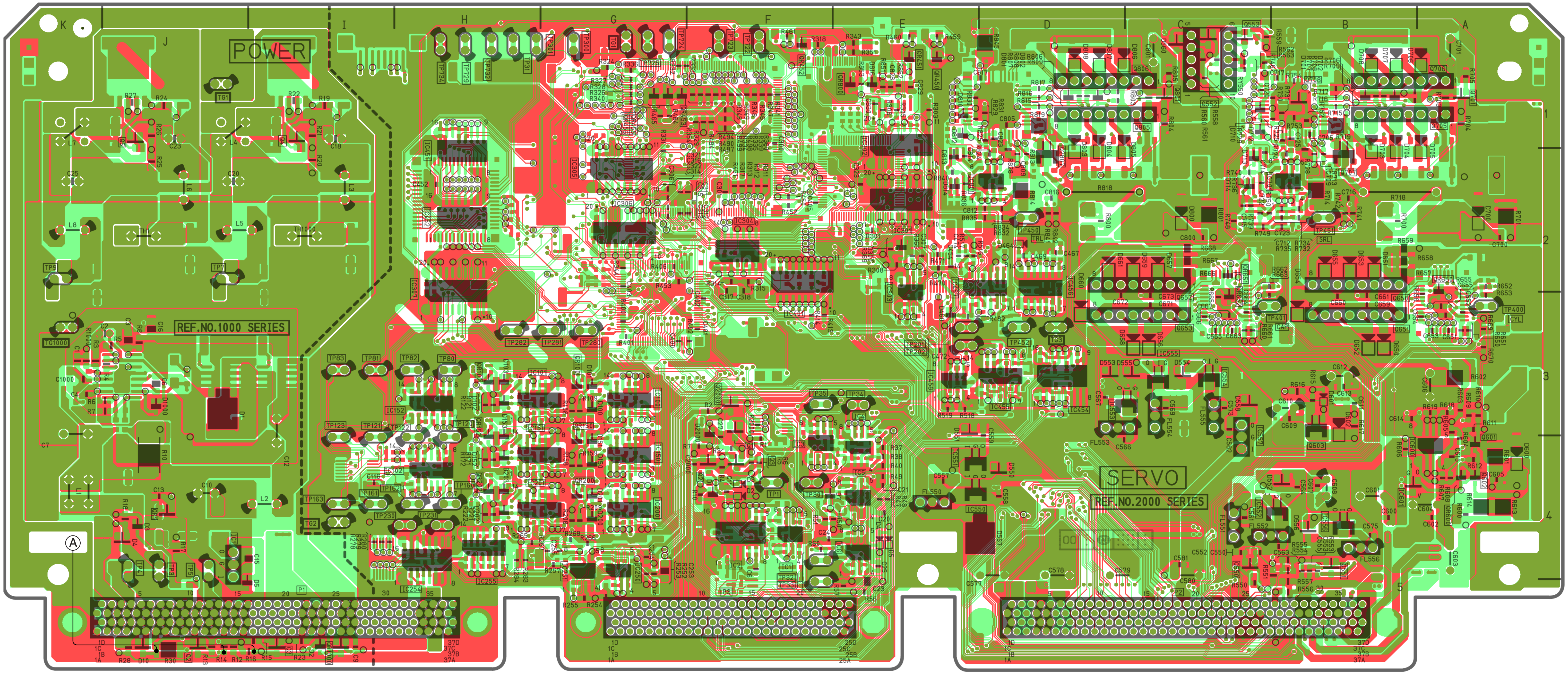
(COMPONENT SIDE)

CBA-14

CBA-14

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1001	J-4	IC2250	G-4	IC2455	D-3	IC2801	D-2	Q2553	C-1	Q2806	C-1	QR2456	G-1	TP1009	K-2	TP2123	I-3	TP2401	B-3
IC2001	F-4	IC2251	G-4	IC2456	D-2	P1001	I-5	Q2601	A-4	Q2807	D-2	QR2600	A-4	TP2001	F-4	TP2160	H-4	TP2450	D-2
IC2002	F-4	IC2254	H-4	IC2457	D-2	P2002	C-5	Q2602	A-4	QR1000	I-5	QR2650	A-2	TP2030	F-4	TP2161	I-4	TP2451	B-2
IC2003	F-4	IC2255	H-4	IC2458	E-3	P2003	F-5	Q2603	B-3	QR1001	J-4	QR2651	C-2	TP2031	H-1	TP2162	H-4	TP2452	D-3
IC2004	E-4	IC2301	E-2	IC2550	E-4	Q1002	J-5	Q2650	B-2	QR2100	G-3	QR2652	C-3	TP2032	F-4	TP2163	I-4	TP2722	F-1
IC2005	E-4	IC2302	E-1	IC2551	E-4	Q1003	I-5	Q2651	B-3	QR2102	H-3	QR2800	E-1	TP2033	F-5	TP2201	E-3	TP2723	F-1
IC2006	E-4	IC2303	E-2	IC2552	B-4	Q1004	I-1	Q2652	C-2	QR2150	G-4	TG1000	K-3	TP2034	E-3	TP2202	E-3	TP2724	G-1
IC2100	G-3	IC2304	F-2	IC2553	D-3	Q1005	J-1	Q2653	C-3	QR2152	H-3	TG1001	J-1	TP2035	F-3	TP2230	I-4	TP2725	G-1
IC2101	G-3	IC2305	G-2	IC2554	C-3	Q2000	F-3	Q2701	A-1	QR2200	G-4	TG2001	G-1	TP2080	H-3	TP2231	H-4	TP2729	H-1
IC2102	H-4	IC2306	G-2	IC2555	C-3	Q2001	F-3	Q2705	A-1	QR2202	H-4	TG2002	I-4	TP2081	I-3	TP2280	G-3	TP2732	H-1
IC2150	G-4	IC2307	H-2	IC2556	B-4	Q2002	F-4	Q2706	A-1	QR2450	E-1	TG2003	D-3	TP2082	H-3	TP2281	G-3	TP2734	H-1
IC2151	G-4	IC2401	F-3	IC2557	C-3	Q2003	F-4	Q2707	B-2	QR2451	E-1	TP1003	J-4	TP2083	I-3	TP2282	H-3		
IC2152	H-3	IC2451	H-2	IC2600	A-4	Q2550	C-4	Q2708	B-1	QR2452	F-1	TP1004	J-4	TP2120	H-3	TP2300	G-1		
IC2200	G-4	IC2452	H-2	IC2601	B-4	Q2551	B-4	Q2801	C-1	QR2453	G-1	TP1005	J-4	TP2121	I-3	TP2301	H-1		
IC2201	G-4	IC2454	D-3	IC2701	B-2	Q2552	C-1	Q2805	C-1	QR2455	G-1	TP1007	J-2	TP2122	H-3	TP2400	A-3		



(FOIL SIDE)

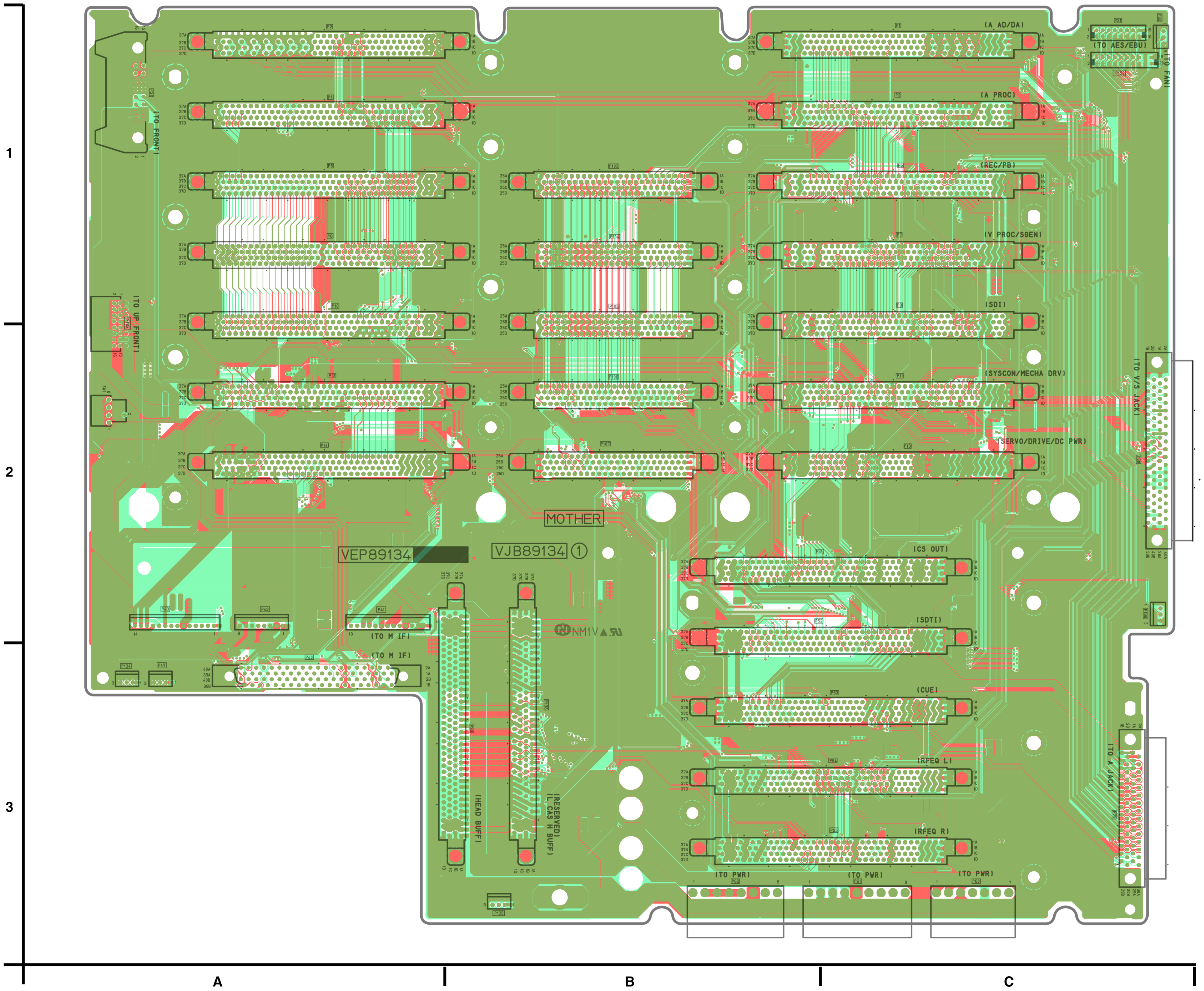
CBA-15

CBA-15

MOTHER P.C.BOARD (VEP89134A)

COMPONENT SIDE

REF	LOC	REF	LOC
P1	C-1	P52	B-2
P2	A-1	P53	C-3
P3	C-1	P54	C-3
P4	A-1	P55	C-3
P5	C-1	P60	C-3
P6	A-1	P61	C-3
P7	C-1	P62	B-3
P8	A-1	P103	B-1
P9	C-1	P104	B-1
P10	A-1	P105	B-1
P11	C-2	P106	B-2
P12	A-2	P107	B-2
P13	C-2	P132	A-1
P14	A-2	P133	B-3
P21	A-1	P134	A-3
P29	C-3	P135	B-3
P30	C-2	P136	C-2
P31	C-1	P150	C-1
P32	C-1		
P33	B-3		
P40	A-3		
P41	A-2		
P42	A-2		
P43	A-2		
P47	A-3		
P51	B-2		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(TO AES/EBU)
(TO FAN)
(A PROC)
(REC/PB)
(V PROC/SGEN)
(SDI)
(TO UP FRONT)
(SYSCON/MECHA DRV)
(SERVO/DRIVE/DC PWR)
(TO V/S JACK)
MOTHER
VEP89134
VJB89134 ①
(CS OUT)
(SDTI)
NM1V
(TO M IF)
(TO M IF)
(CUE)
(RFEQ L)
(RFEQ R)
(TO A JACK)
(HEAD BUFF)
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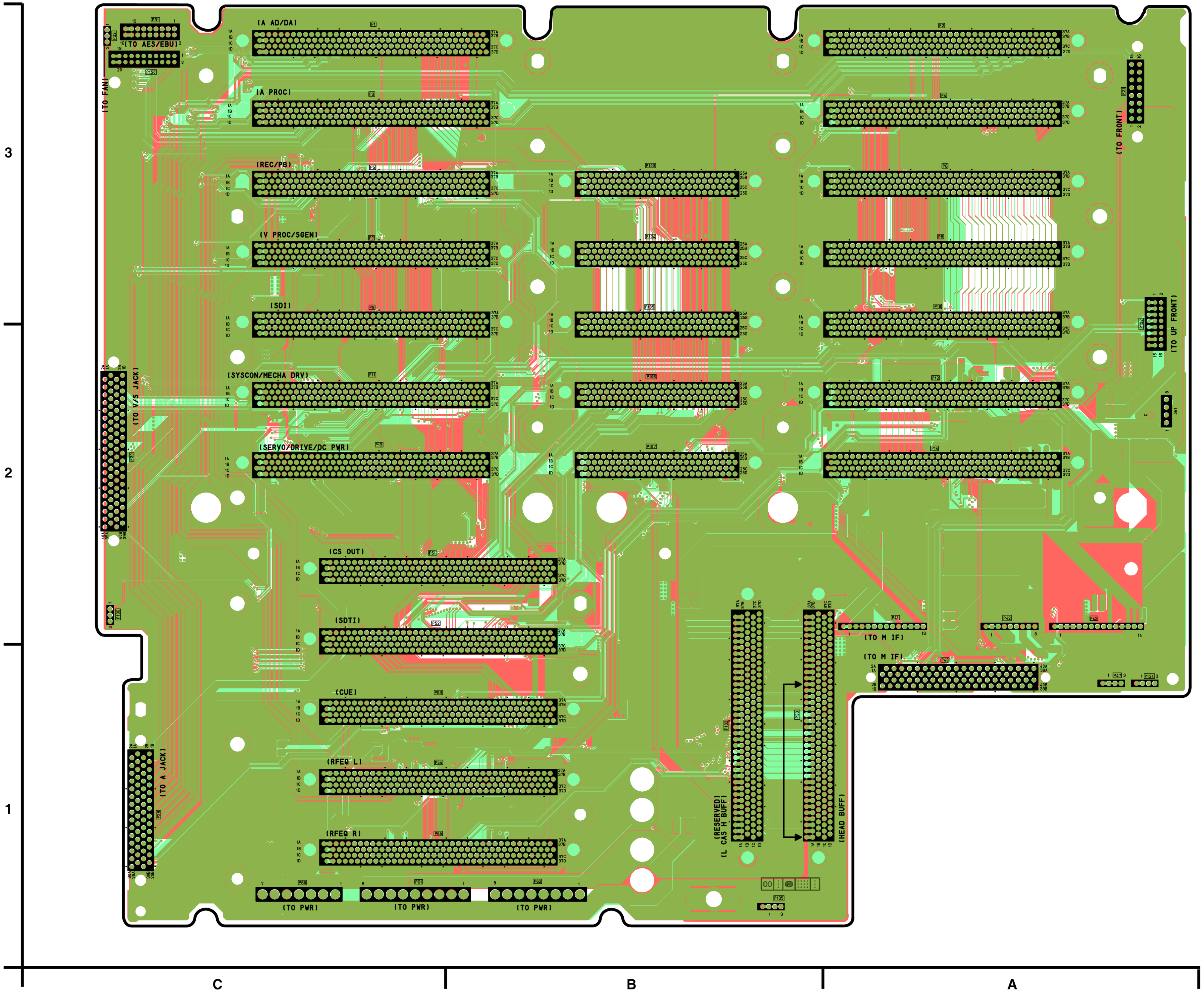
(TO PWR)
(TO PWR)
(TO PWR)

(COMPONENT SIDE)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(REC/PB)
(V PROC/SGEN)
(SDI)
(SYSCON/MECHA DRV)
(SERVO/DRIVE/DC PWR)
(CS OUT)
(SDTI)
(CUE)
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(TO AES/EBU)
(TO FAN)
(TO V/S JACK)
(TO A JACK)
(TO PWR)
(TO PWR)
(TO PWR)
(TO FRONT)
(TO UP FRONT)
(TO M IF)
(TO M IF)
(RESERVED)
(L CAS H BUFF)
(HEAD BUFF)
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FOIL SIDE

REF	LOC	REF	LOC
P1	C-1	P52	C-2
P2	A-1	P53	C-3
P3	C-1	P54	C-3
P4	A-1	P55	C-3
P5	C-1	P60	C-3
P6	A-1	P61	C-3
P7	C-1	P62	B-3
P8	A-1	P103	B-1
P9	C-1	P104	B-1
P10	A-1	P105	B-1
P11	C-2	P106	B-2
P12	A-2	P107	B-2
P13	C-2	P132	A-1
P14	A-2	P133	B-3
P21	A-1	P134	A-3
P29	C-3	P135	B-3
P30	C-2	P136	C-2
P31	C-1	P150	C-1
P32	C-1		
P33	B-3		
P40	A-3		
P41	A-2		
P42	A-2		
P43	A-2		
P47	A-3		
P51	C-2		

(FOIL SIDE)

CBA-17

CBA-17

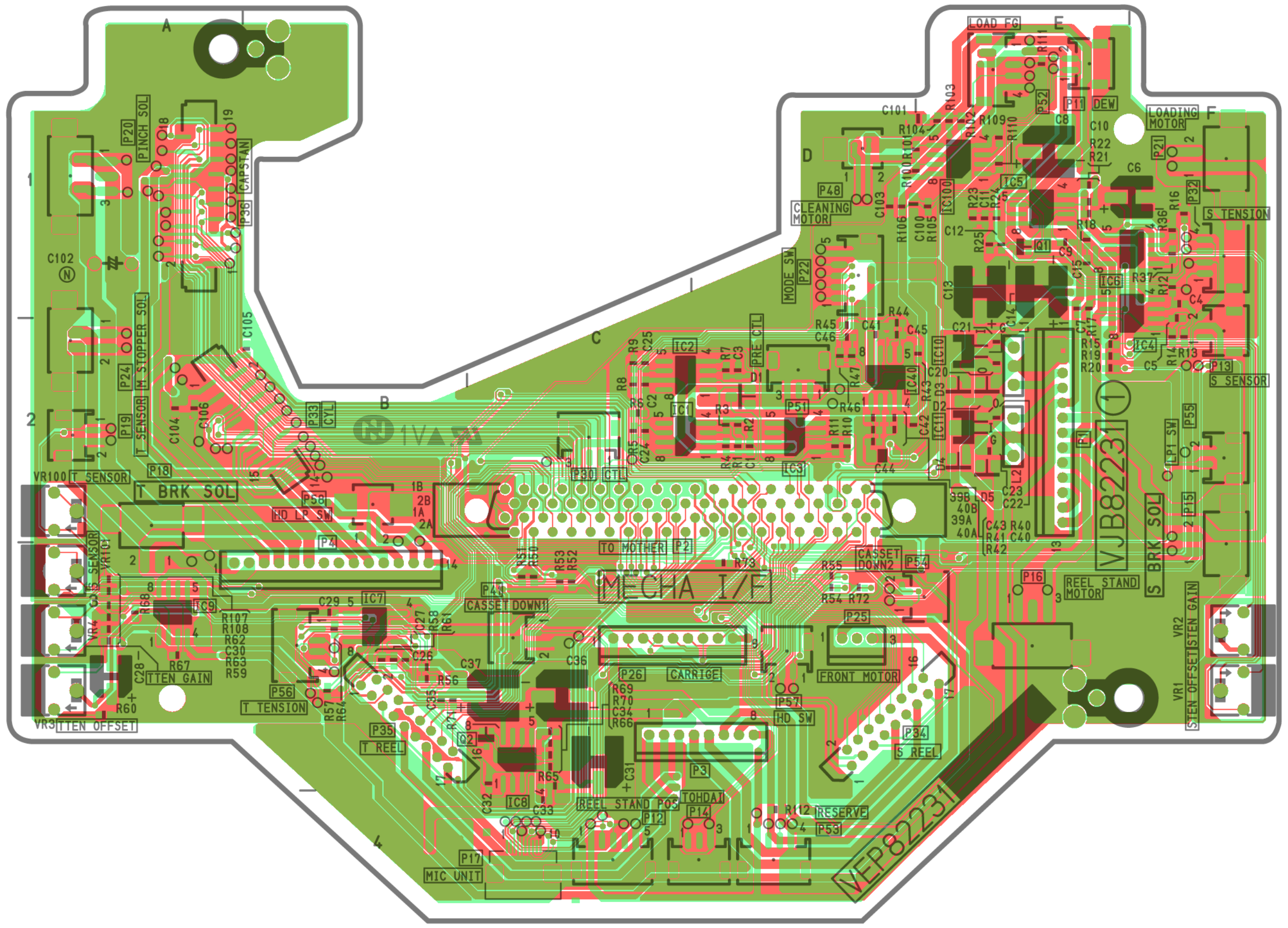
MECHA I/F P.C.BOARD (VEP82231A)

COMPONENT SIDE

REF	LOC	REF	LOC
IC1	C-2	P22	D-1
IC2	C-2	P24	A-2
IC3	D-2	P25	D-3
IC4	F-2	P26	C-3
IC5	E-1	P30	C-2
IC6	E-1	P32	F-1
IC7	B-3	P33	B-2
IC8	C-3	P34	E-3
IC9	A-3	P35	B-3
IC10	E-2	P36	A-1
IC11	E-2	P41	C-3
IC40	D-2	P48	D-1
IC100	E-1	P51	D-2
P1	E-2	P52	E-1
P2	C-2	P53	D-4
P3	D-3	P54	E-3
P4	B-3	P55	F-2
P11	E-1	P56	B-3
P12	C-4	P57	D-3
P13	F-2	P58	B-2
P14	D-4	Q1	E-1
P15	F-2	Q2	C-3
P16	E-3	VR1	F-3
P17	C-4	VR2	F-3
P18	A-2	VR3	A-3
P19	A-2	VR4	A-3
P20	A-1	VR100	A-2
P21	F-1	VR101	A-3

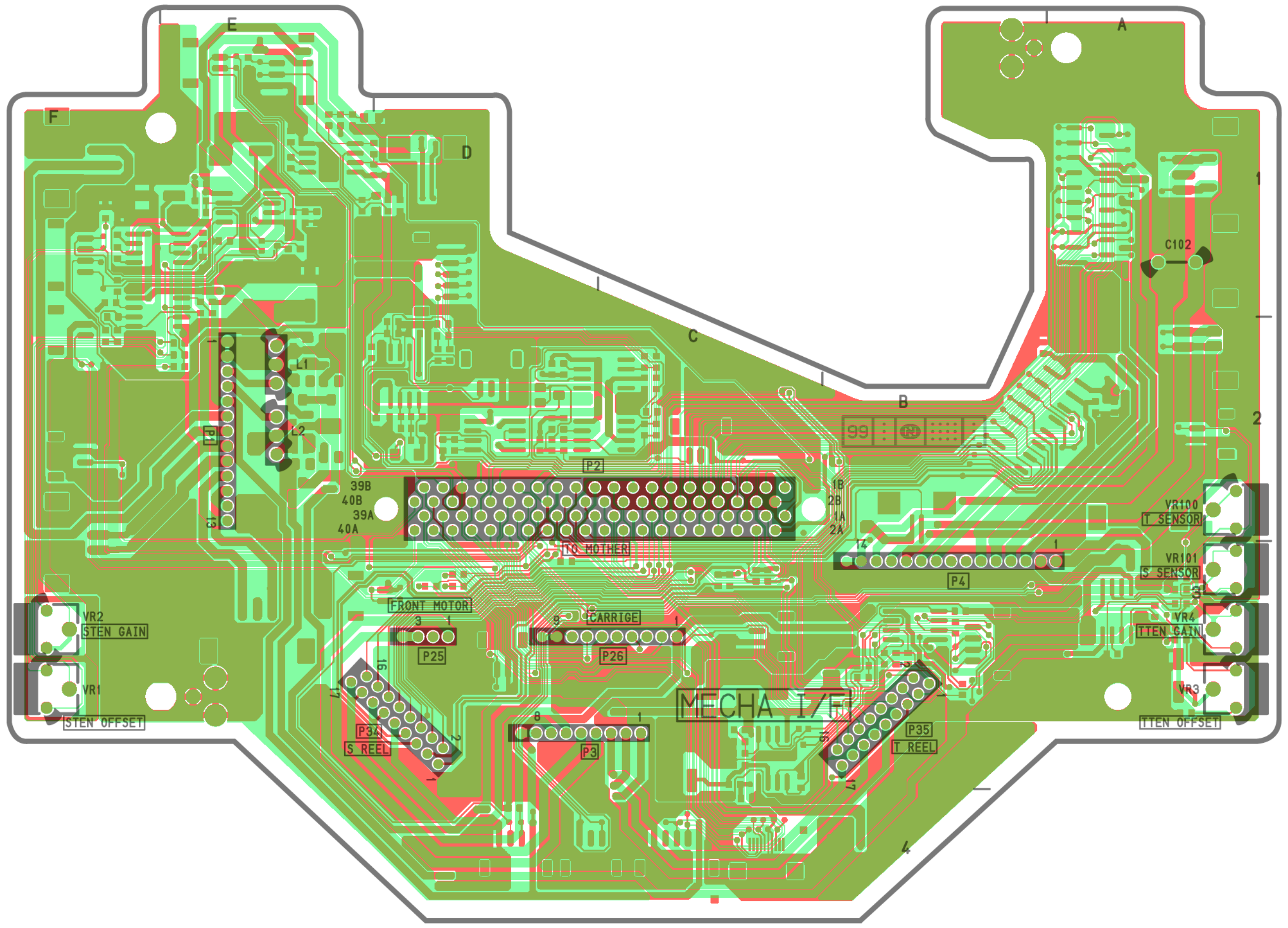
FOIL SIDE

REF	LOC
P1	E-2
P2	C-2
P3	D-3
P4	B-3
P25	D-3
P26	C-3
P34	D-3
P35	B-3
VR1	F-3
VR2	F-3
VR3	A-3
VR4	A-3
VR100	A-2
VR101	A-3


MECHA I/F
VEP82231
T BRK SOL
S BRK SOL
TO MOTHER
FRONT MOTOR
CARRIGE
CASSET DOWN
REEL STAND MOTOR
LOADING MOTOR
CLEANING MOTOR
S TENSION
S SENSOR
T SENSOR
T TENSION
T REEL
S REEL
MIC UNIT

(COMPONENT SIDE)

CBA-18


MECHA I/F
TO MOTHER
FRONT MOTOR
CARRIGE
S REEL
T REEL
STEN GAIN
STEN OFFSET
TTEN GAIN
TTEN OFFSET
T SENSOR
S SENSOR

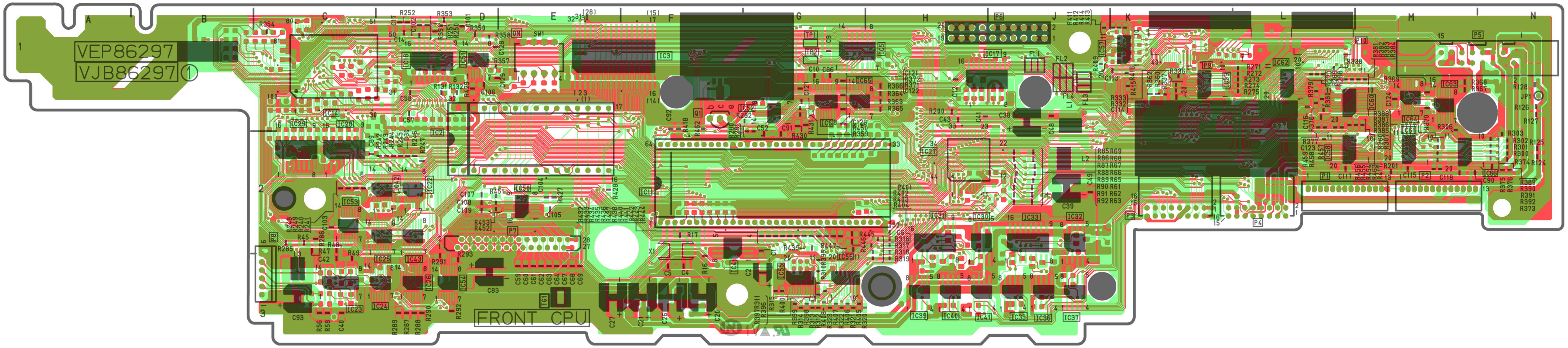
(FOIL SIDE)

CBA-18

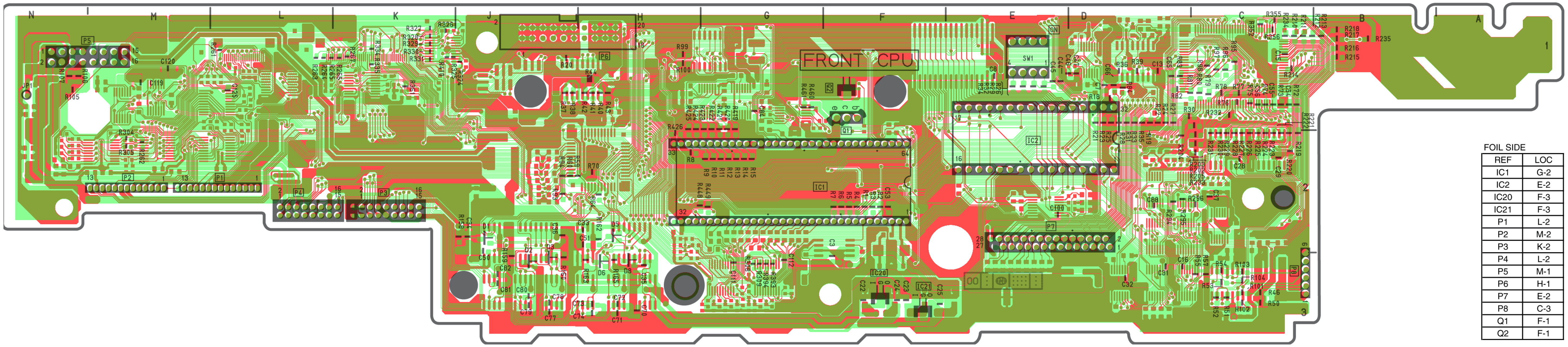
FRONT CPU P.C.BOARD (VEP86297B)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	F-2	IC23	C-3	IC33	J-2	IC51	D-1	IC61	M-2	P5	M-1
IC2	D-2	IC24	D-3	IC35	J-3	IC52	G-1	IC62	L-1	P6	J-1
IC3	F-1	IC25	D-2	IC36	J-3	IC53	C-2	IC63	M-1	P7	E-2
IC4	F-3	IC26	D-3	IC37	J-3	IC54	D-3	IC64	M-1	P8	C-2
IC5	H-1	IC27	H-2	IC39	H-3	IC55	G-3	IC65	G-1	P9	K-1
IC6	G-1	IC28	C-2	IC40	H-3	IC56	G-3	IC66	M-2	P10	L-1
IC14	C-1	IC29	C-2	IC41	H-3	IC57	K-1	P1	L-2	Q1	F-1
IC17	J-1	IC30	H-2	IC42	D-2	IC58	L-2	P2	M-2	TG1	E-3
IC18	D-1	IC31	H-2	IC43	D-2	IC59	K-1	P3	K-2	TP1	G-1
IC22	D-2	IC32	J-2	IC50	E-2	IC60	L-1	P4	L-2	TP2	G-1


A
B
C
D
E
F
G
H
J
K
L
M
N
1
2
3
VEP86297
VJB86297①
FRONT CPU
SW1
IC1
IC3
P6
P5
P4
P7
P8

(COMPONENT SIDE)


N
M
L
K
J
H
G
F
E
D
C
B
A
1
2
3
FRONT CPU
SW1
IC1
IC2
IC20
IC21
P1
P2
P3
P4
P5
P6
P7
P8
Q1
Q2

FOIL SIDE

REF	LOC
IC1	G-2
IC2	E-2
IC20	F-3
IC21	F-3
P1	L-2
P2	M-2
P3	K-2
P4	L-2
P5	M-1
P6	H-1
P7	E-2
P8	C-3
Q1	F-1
Q2	F-1

(FOIL SIDE)

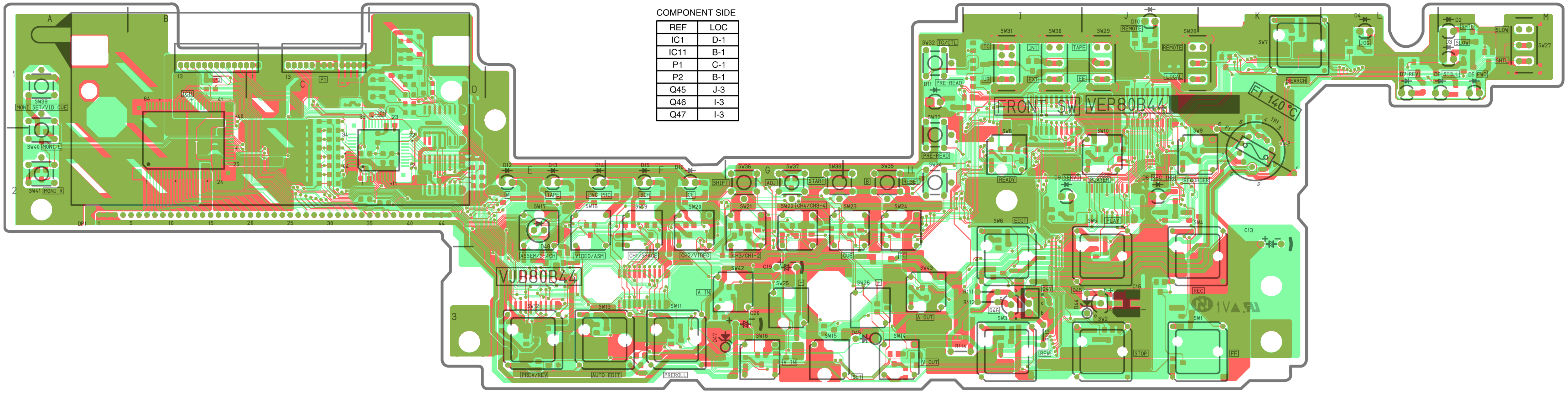
CBA-19

CBA-19

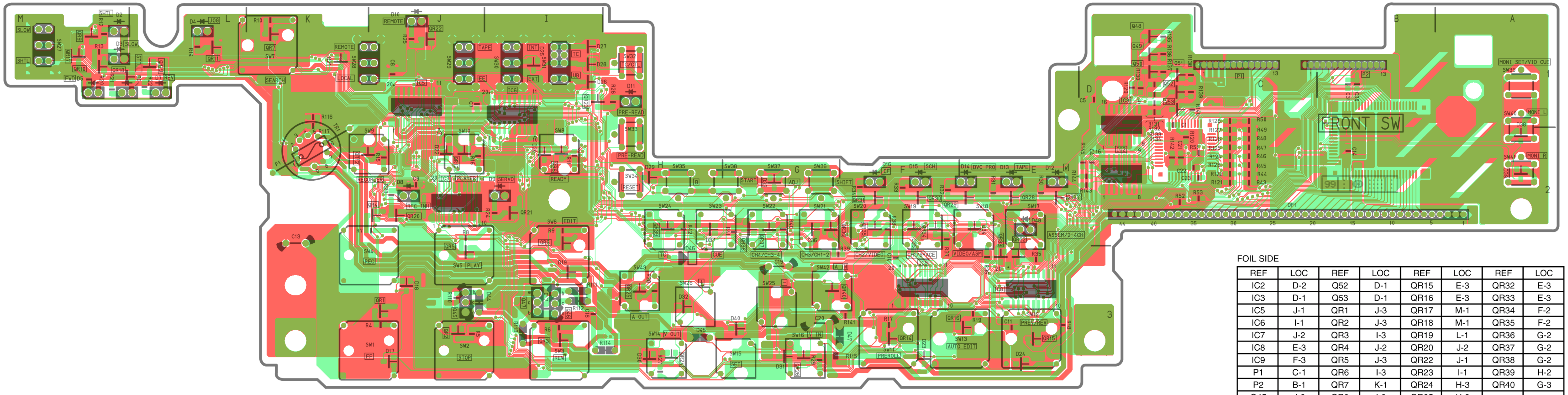
FRONT SW P.C.BOARD (VEP80B44A)

COMPONENT SIDE

REF	LOC
IC1	D-1
IC11	B-1
P1	C-1
P2	B-1
Q45	J-3
Q46	I-3
Q47	I-3



(COMPONENT SIDE)

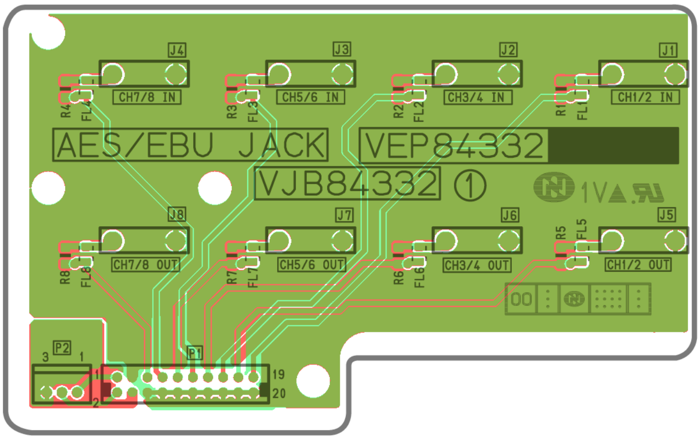


(FOIL SIDE)

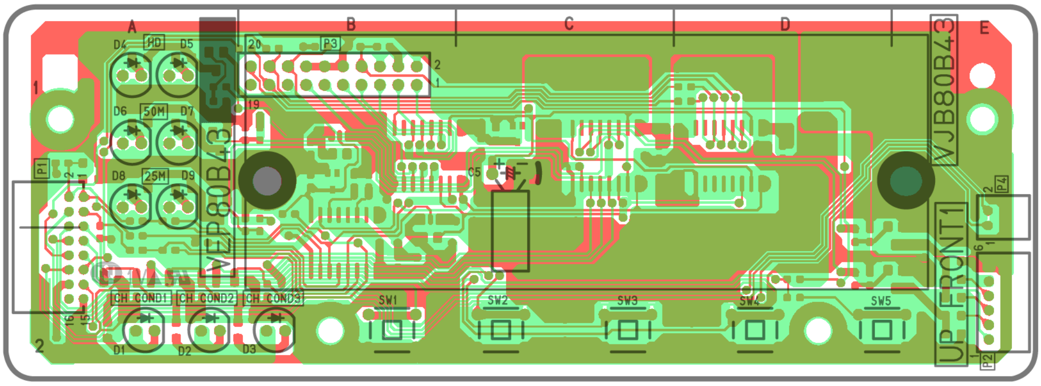
FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D-2	Q52	D-1	QR15	E-3	QR32	E-3
IC3	D-1	Q53	D-1	QR16	E-3	QR33	E-3
IC5	J-1	QR1	J-3	QR17	M-1	QR34	F-2
IC6	I-1	QR2	J-3	QR18	M-1	QR35	F-2
IC7	J-2	QR3	I-3	QR19	L-1	QR36	G-2
IC8	E-3	QR4	J-2	QR20	J-2	QR37	G-2
IC9	F-3	QR5	J-3	QR22	J-1	QR38	G-2
P1	C-1	QR6	I-3	QR23	I-1	QR39	H-2
P2	B-1	QR7	K-1	QR24	H-3	QR40	G-3
Q45	J-3	QR8	I-2	QR25	H-3		
Q46	I-3	QR9	M-1	QR26	G-3		
Q47	I-3	QR10	M-1	QR27	E-2		
Q48	D-1	QR11	L-1	QR28	E-2		
Q49	D-1	QR12	K-2	QR29	E-2		
Q50	D-1	QR13	J-2	QR30	F-2		
Q51	D-1	QR14	F-3	QR31	F-2		

AES/EBU P.C.BOARD (VEP84332A)


J4
J3
J2
J1
CH7/8 IN
CH5/6 IN
CH3/4 IN
CH1/2 IN
R4
FL4
R3
FL3
R2
FL2
R1
FL1
AES/EBU JACK
VEP84332
VJB84332 ①
J8
J7
J6
J5
R8
FL8
R7
FL7
R6
FL6
R5
FL5
CH7/8 OUT
CH5/6 OUT
CH3/4 OUT
CH1/2 OUT
P2
P1
19
20

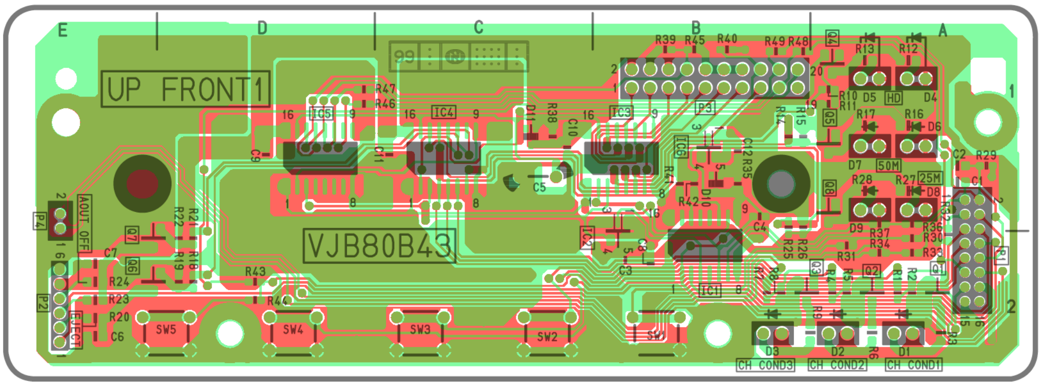
UP FRONT 1 P.C.BOARD (VEP80B43A)


A
B
C
D
E
1
2
D4
HD
D5
D6
50M
D7
D8
25M
D9
P1
P3
20
19
VEP80B43
VJB80B43
UP FRONT1
C5
P4
P2
CH COND1
CH COND2
CH COND3
D1
D2
D3
SW1
SW2
SW3
SW4
SW5

(COMPONENT SIDE)

COMPONENT SIDE

REF	LOC
P1	A-1
P2	E-2
P3	B-1
P4	E-1


E
D
C
B
A
UP FRONT1
VJB80B43
IC1
IC2
IC3
IC4
IC5
IC6
P1
P2
P3
P4
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
SW1
SW2
SW3
SW4
SW5
CH COND3
CH COND2
CH COND1
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
HD
50M
25M
AOUT OFF

(FOIL SIDE)

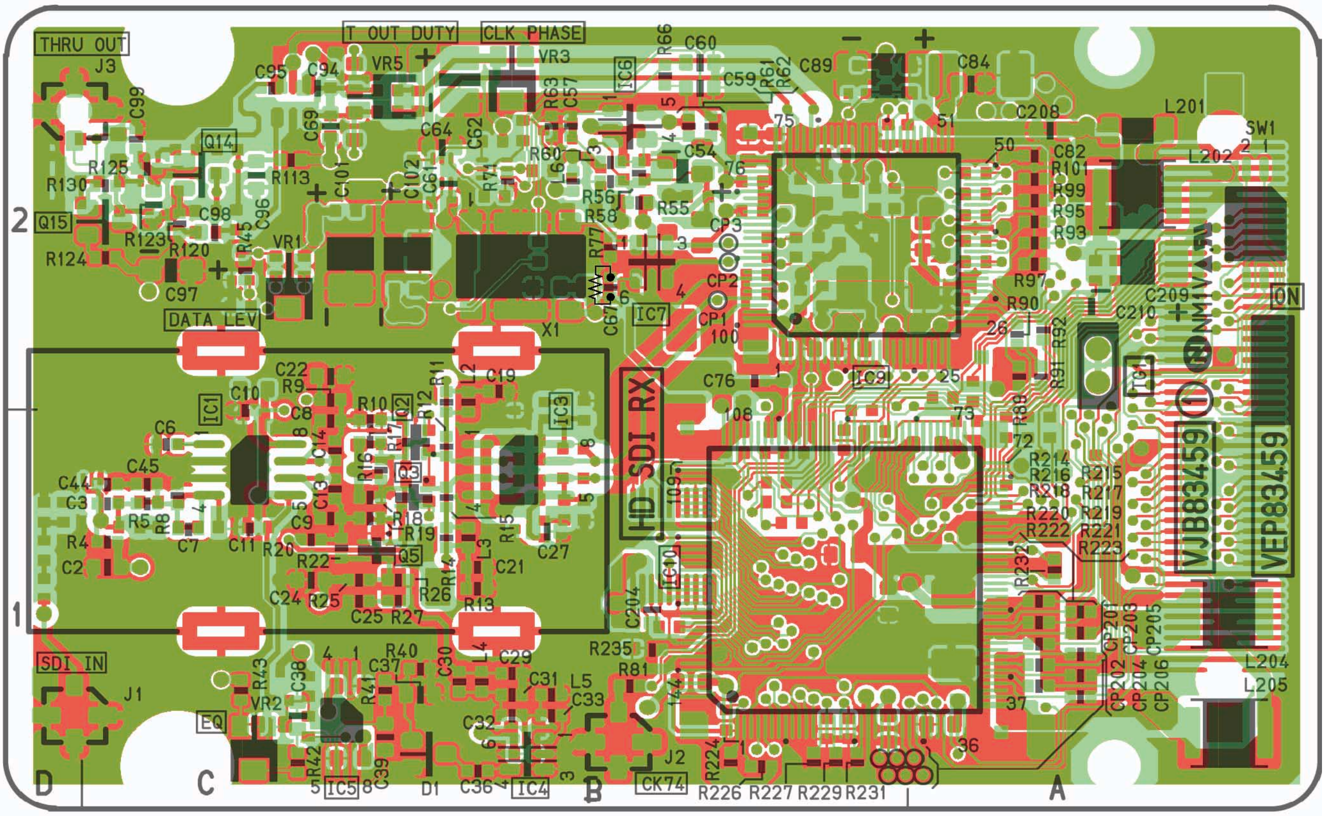
FOIL SIDE

REF	LOC
IC1	B-2
IC2	B-2
IC3	B-1
IC4	C-1
IC5	D-1
IC6	B-1
P1	A-2
P2	E-2
P3	B-1
P4	E-1
Q1	A-2
Q2	A-2
Q3	A-2
Q4	A-1
Q5	A-1
Q6	E-2
Q7	E-2
Q8	A-1

SDI RX P.C.BOARD (VEP83459B)

COMPONENT SIDE

REF	LOC
CK74	B-1
IC1	C-1
IC3	B-1
IC4	B-1
IC5	C-1
IC6	B-2
IC7	B-2
IC9	B-2
IC10	B-1
Q14	C-2
Q15	D-2
Q2	C-1
Q3	C-1
Q5	C-1
TG1	A-2
VR1	C-2
VR2	C-1
VR3	B-2
VR5	C-2

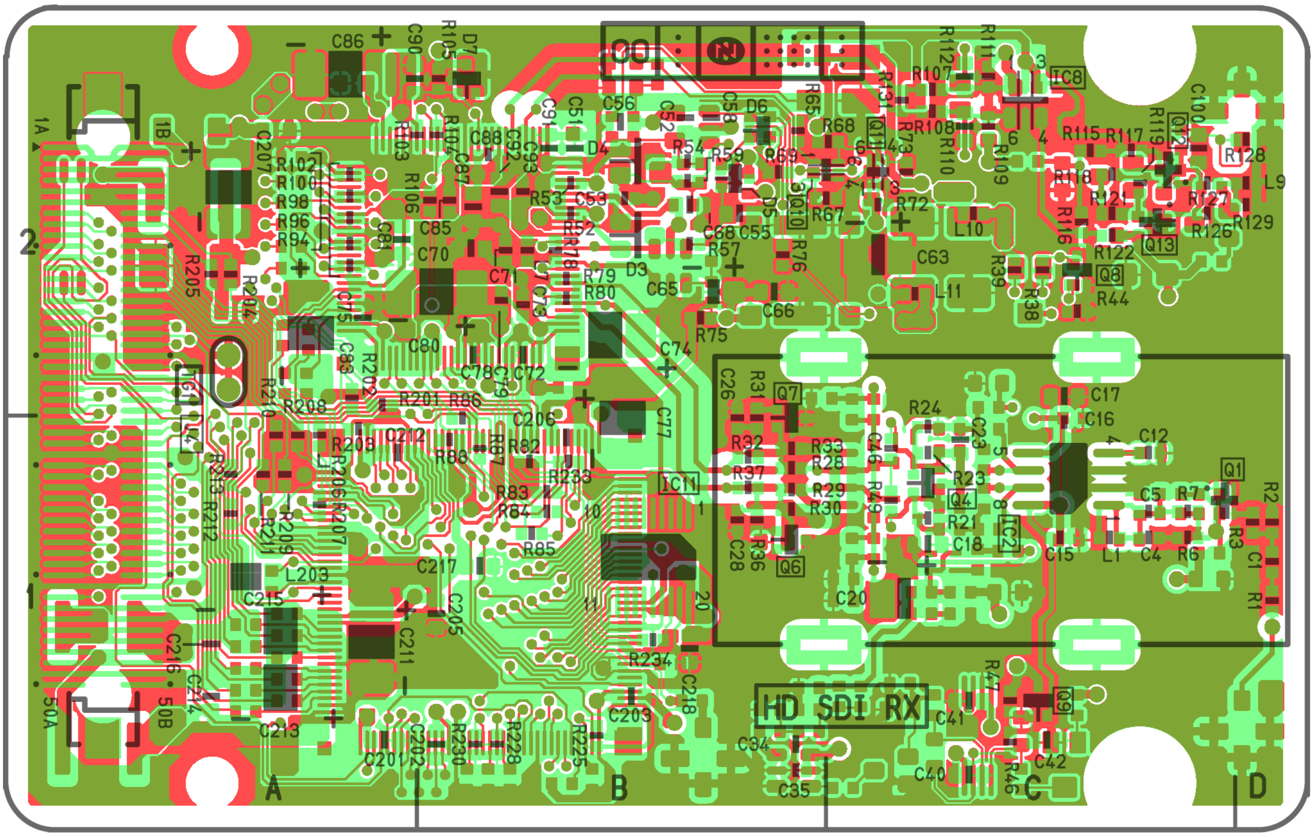


THRU OUT
J3
T OUT DUTY
VR5
CLK PHASE
VR3
IC6
R66
C60
C59
R61
R62
C89
C84
C208
L201
SW1
L202
C95
C94
C99
C69
C64
C62
R60
C54
75
51
50
76
C82
R101
R99
R95
R93
Q14
R125
R130
R113
C101
C102
C61
R74
R56
R58
R55
CP3
2
Q15
C98
C96
R123
R120
R45
VR1
R124
C97
DATA LEV
X1
R77
C67
IC7
CP2
CP1
100
R97
R90
C209
C210
ON
26
R92
R91
TG1
VJB83459
VEP83459
NM1VA
C22
R9
C8
C10
IC1
C6
C45
C44
C3
R5
R8
R4
C2
C7
C11
R20
R10
Q2
R17
R12
R11
L2
C19
IC3
C14
C13
C9
R16
Q3
R18
R19
Q5
R22
R15
L3
C21
C27
R14
R26
R13
C24
R25
C25
R27
HD SDI RX
C76
108
IC9
25
73
R88
72
R214
R216
R218
R220
R222
R215
R217
R219
R221
R223
109
IC10
C204
R232
CP201
CP203
CP205
CP202
CP204
CP206
L204
L205
1
SDI IN
J1
EQ
R43
C38
VR2
R40
C37
R41
C30
L4
C29
C31
L5
C33
C32
R235
R81
R44
37
36
R42
C39
5 IC5 8
D1
C36
IC4
3
J2
CK74
R224
R226
R227
R229
R231
D
C
B
A

(COMPONENT SIDE)

FOIL SIDE

REF	LOC
IC2	C-1
IC8	C-2
IC11	B-1
Q1	C-1
Q4	C-1
Q6	B-1
Q7	B-2
Q8	C-2
Q9	C-1
Q10	B-2
Q11	C-2
Q12	C-2
Q13	C-2
TG1	A-2

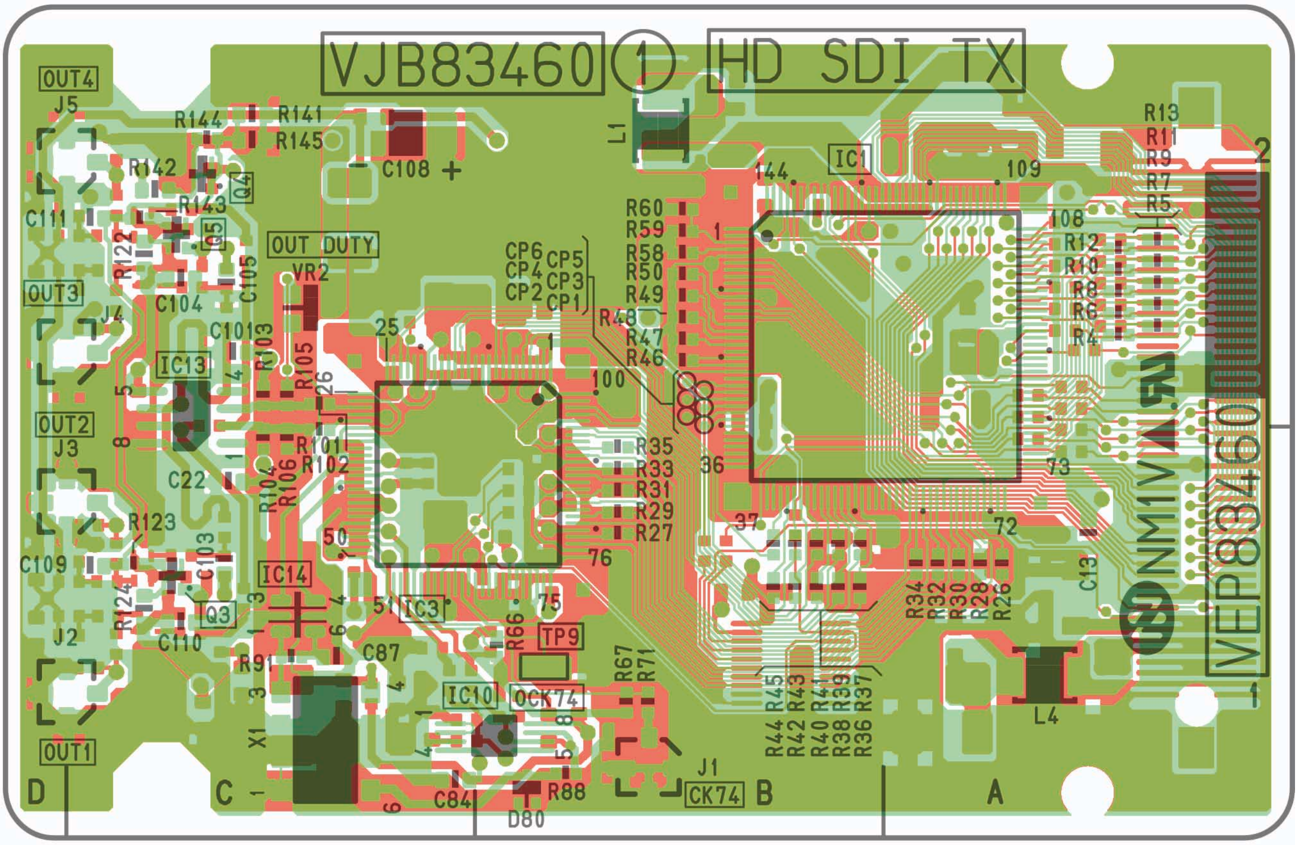

1A
1B
2
1
50A
50B
A
B
C
D
HD SDI RX
IC2
IC8
IC11
Q1
Q4
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
TG1
L9
L10
L11
L203
C86
C90
R105
D7
R112
R111
R107
R115
R117
R119
C100
R128
R118
R124
R127
R126
R129
R122
R44
R39
R38
C63
R68
R108
R110
R109
R72
R67
R76
R65
D6
C56
C52
C58
R54
R59
R69
C55
C68
R57
C65
C66
R75
C74
C77
R79
R80
D3
D4
D5
C51
C91
C92
C93
C88
R53
C53
R52
R78
C73
C71
C72
C79
C78
C80
C70
C85
C81
C87
R104
R103
R106
R102
R100
R98
R96
R94
C207
R205
R204
R210
R208
R201
R86
C206
R82
R88
R87
R233
R83
R84
R85
C217
C205
C211
C215
C216
C214
C213
C201
C202
R230
R228
R225
C203
C218
R234
R24
C17
C16
C12
C23
R23
R21
C18
C15
L1
C4
R6
C5
R7
R2
R3
C1
R1
C20
C26
R31
R32
R33
R28
R37
R29
R30
C46
R49
C28
R36
R47
C41
C42
R46
C40
C34
C35

(FOIL SIDE)

SDI TX P.C.BOARD (VEP83460B)

COMPONENT SIDE

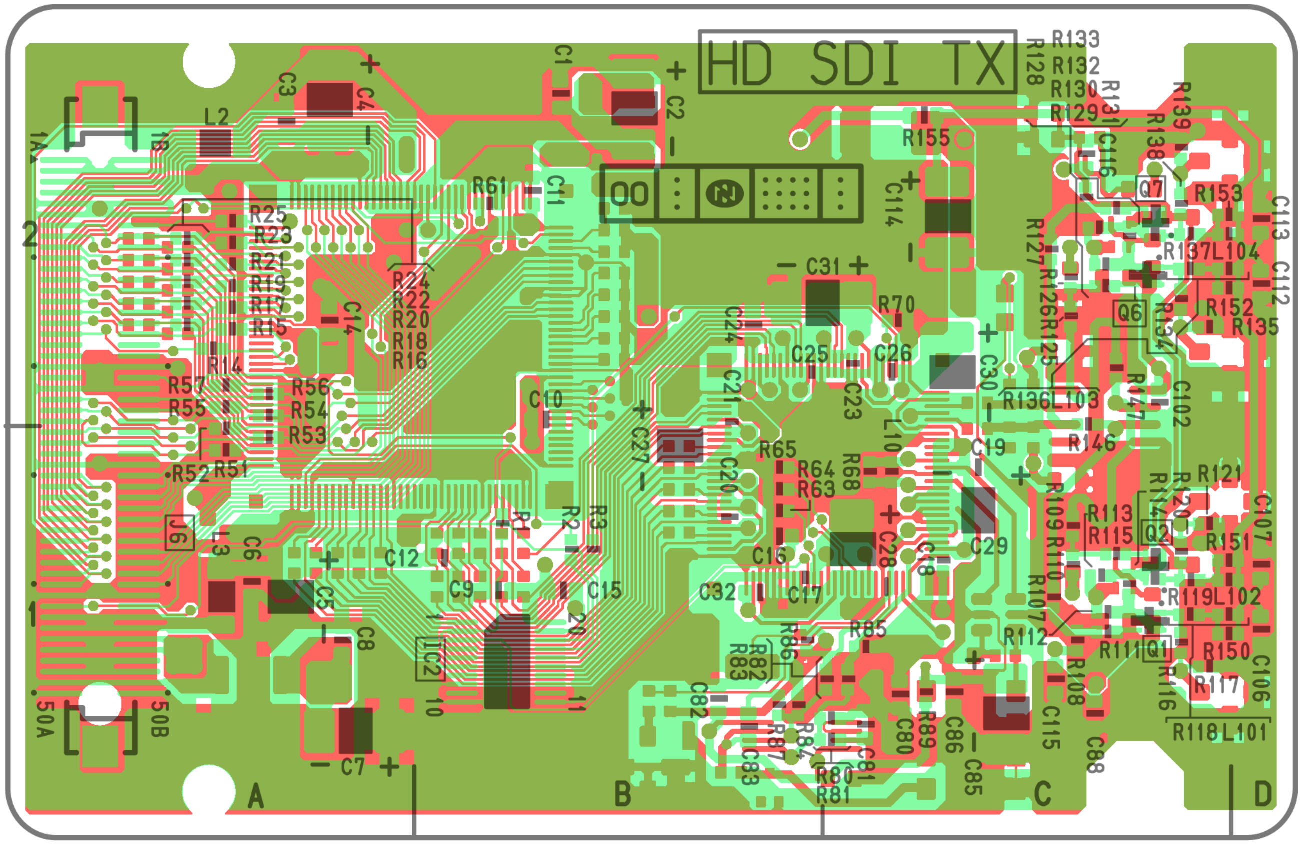
REF	LOC
IC1	B-2
IC3	C-1
IC10	B-1
IC13	C-2
IC14	C-1
Q3	C-1
Q4	C-2
Q5	C-2
TP9	B-1
VR2	C-2


VJB83460 ①
HD SDI TX
OUT4
J5
R144
R141
R145
C108
L1
IC1
144
109
R13
R11
R9
R7
R5
2
R142
R143
Q4
C111
Q5
R122
OUT DUTY
VR2
C105
C104
OUT3
J4
R60
R59
R58
R50
R49
R48
R47
R46
CP6
CP5
CP4
CP3
CP2
CP1
108
R12
R10
R8
R6
R4
C1013
R103
R105
25
26
1
100
IC13
OUT2
J3
R101
R102
R35
R33
R31
R29
R27
36
73
C22
R104
R106
R123
37
72
C109
C103
50
IC14
76
C13
R124
Q3
J2
C110
51
IC3
75
R66
TP9
R34
R32
R30
R28
R26
R91
C87
R67
R71
R45
R43
R41
R39
R37
R44
R42
R40
R38
R36
X1
IC10
OCK74
L4
1
OUT1
J1
CK74
D
C
C84
R88
D80
B
A
NM1V
VEP83460

(COMPONENT SIDE)

FOIL SIDE

REF	LOC
IC2	B-1
Q1	C-1
Q2	C-1
Q6	C-2
Q7	C-2



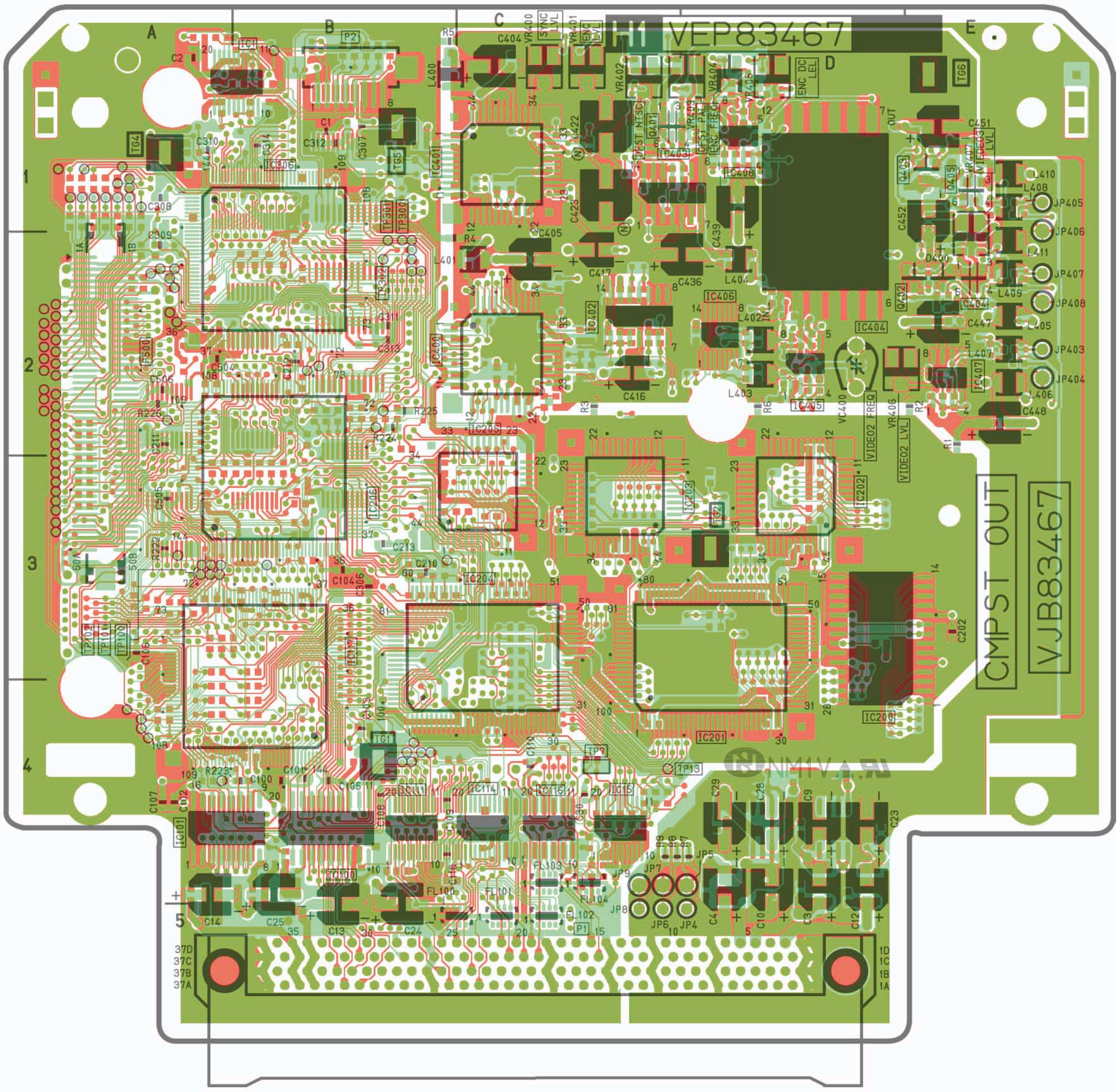
HD SDI TX
1A
1B
50A
50B
2
1
A
B
C
D
L2
C3
C4
C1
C2
R61
C11
C14
R25
R23
R21
R19
R17
R15
R24
R22
R20
R18
R16
R14
R57
R55
R56
R54
R53
R52
R51
J6
L3
C6
C5
C12
C8
C7
C10
C9
R1
R2
R3
C15
IC2
10
11
20
C27
C24
C21
C20
C25
C26
C23
C31
R70
C114
R155
R65
R64
R63
R68
L10
C16
C17
C32
C28
C18
C19
C29
C30
R86
R82
R83
R85
R87
R84
R80
R81
C82
C83
C80
C81
R89
C86
C85
C115
C88
R133
R128
R132
R130
R131
R129
R139
R138
C116
Q7
R153
C113
R127
R126
R125
R137
L104
C112
Q6
R134
R152
R135
R136
L103
R147
C102
R146
R109
R110
R113
R115
Q2
R114
R120
R121
R151
C107
R107
R112
R119
L102
R111
Q1
R108
R116
R150
C106
R117
R118
L101

(FOIL SIDE)

CMPST OUT P.C.BOARD (VEP83467B)

COMPONENT SIDE

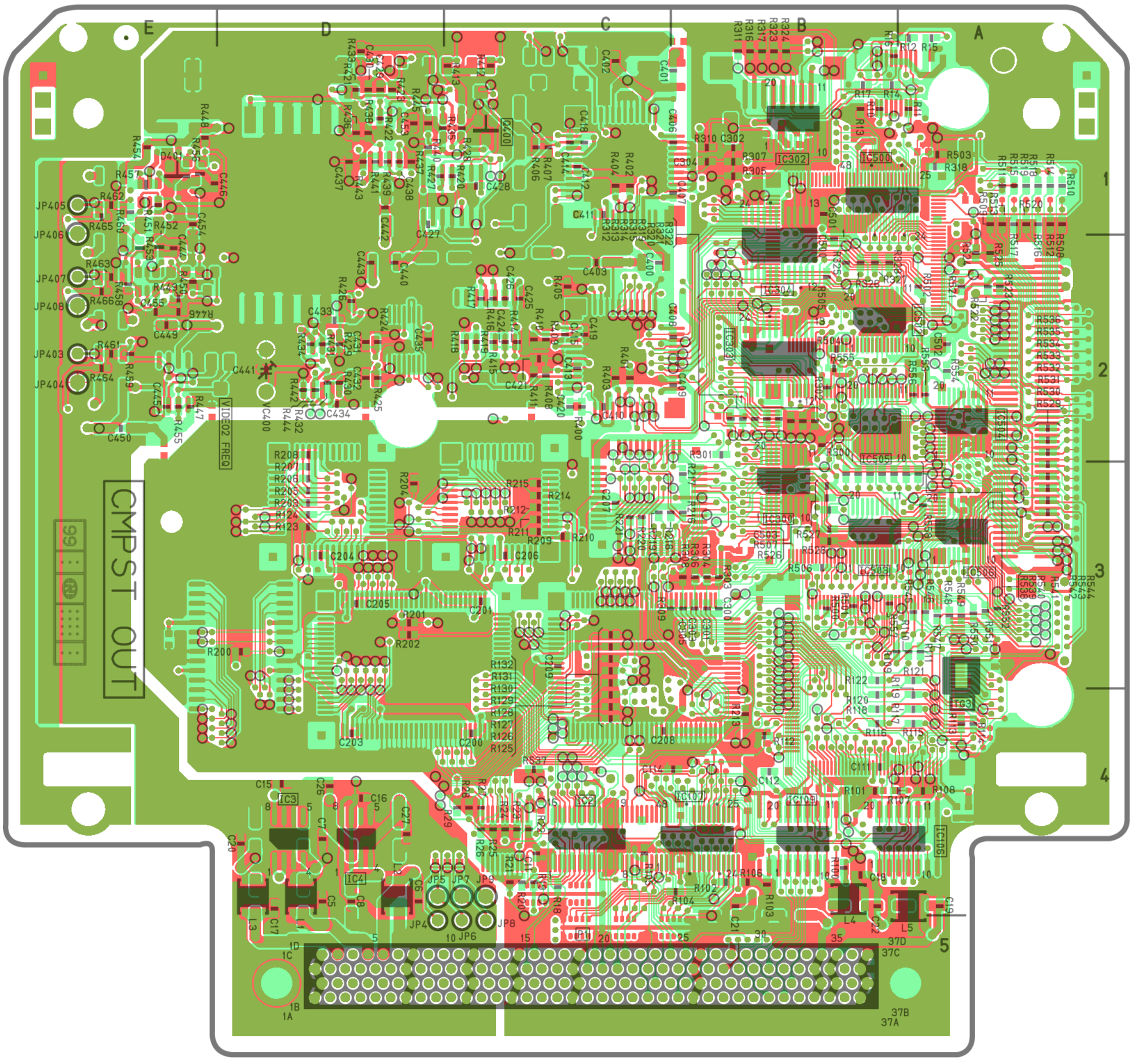
REF	LOC	REF	LOC	REF	LOC
IC1	B-1	IC406	D-2	TP301	B-1
IC15	C-4	IC407	E-2	TP302	B-2
IC100	B-4	IC408	D-1	VC400	D-2
IC101	A-4	P1	C-5	VR400	C-1
IC111	B-4	P2	B-1	VR401	C-1
IC114	C-4	P500	A-2	VR402	C-1
IC116	C-4	Q401	C-1	VR403	D-1
IC117	B-3	Q402	E-2	VR404	D-1
IC200	C-3	Q403	E-1	VR405	D-1
IC201	D-4	Q404	E-2	VR406	D-2
IC202	D-3	Q405	E-1	VR407	E-1
IC203	C-3	TG1	B-4		
IC204	C-3	TG2	D-3		
IC205	C-3	TG4	A-1		
IC206	B-3	TG5	B-1		
IC306	B-1	TG6	E-1		
IC400	C-2	TP7	C-4		
IC401	C-1	TP13	C-4		
IC402	C-2	TP100	A-3		
IC403	C-1	TP101	A-3		
IC404	D-2	TP102	A-3		
IC405	D-2	TP300	B-1		


A
B
C
D
E
1
2
3
4
5
VEP83467
CMPST OUT
VJB83467
37D
37C
37B
37A
1D
1C
1B
1A

(COMPONENT SIDE)

FOIL SIDE

REF	LOC
IC2	C-4
IC3	D-4
IC4	D-4
IC106	A-4
IC107	B-4
IC109	B-4
IC300	B-3
IC302	B-1
IC303	B-2
IC304	B-2
IC500	B-1
IC502	A-2
IC503	B-3
IC504	A-2
IC505	B-2
IC506	A-3
PI	C-5
Q400	C-1
TG3	A-4
VC400	D-2


E
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JP408
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JP404
1A
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37A
37B
37C
37D

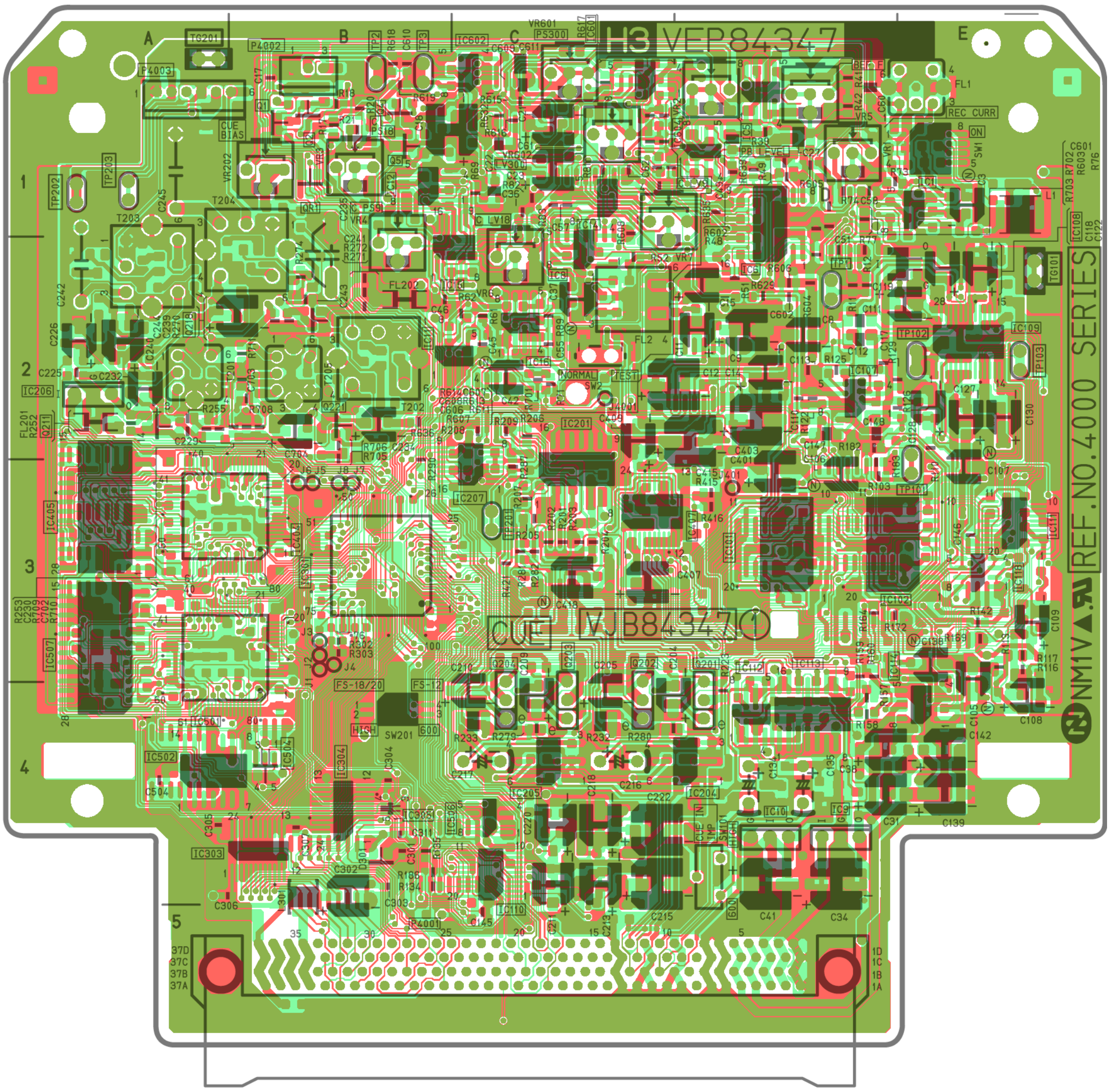
(FOIL SIDE)

CBA-27

CUE P.C.BOARD (VEP84347A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC1	E-1	IC207	C-3	Q204	C-3
IC5	D-1	IC301	B-3	Q211	A-2
IC6	D-2	IC303	B-4	Q218	B-2
IC8	C-2	IC304	B-4	Q221	B-2
IC9	D-4	IC305	B-4	QR1	B-1
IC10	D-4	IC404	B-3	TG101	E-2
IC11	B-2	IC405	A-3	TG201	A-1
IC12	B-1	IC407	C-3	TP1	D-2
IC14	C-2	IC501	A-3	TP2	B-1
IC15	C-2	IC502	A-4	TP3	B-1
IC16	C-2	IC504	B-4	TP101	E-3
IC101	D-3	IC506	C-4	TP102	E-2
IC102	D-3	IC507	A-3	TP103	E-2
IC107	D-2	IC601	C-1	TP201	C-3
IC108	E-2	IC602	C-1	TP202	A-1
IC109	E-2	IC604	C-1	TP203	A-1
IC110	C-4	P4001	B-5	VR1	D-1
IC111	E-3	P4002	B-1	VR2	D-1
IC112	D-4	P4003	A-1	VR3	B-1
IC113	D-4	Q1	B-1	VR4	B-1
IC114	E-3	Q2	B-1	VR5	D-1
IC118	E-3	Q4	B-1	VR6	C-2
IC201	C-3	Q5	B-1	VR7	D-2
IC204	D-4	Q201	D-3	VR202	B-1
IC205	C-4	Q202	C-3	VR601	C-1
IC206	A-2	Q203	C-3	VR602	C-1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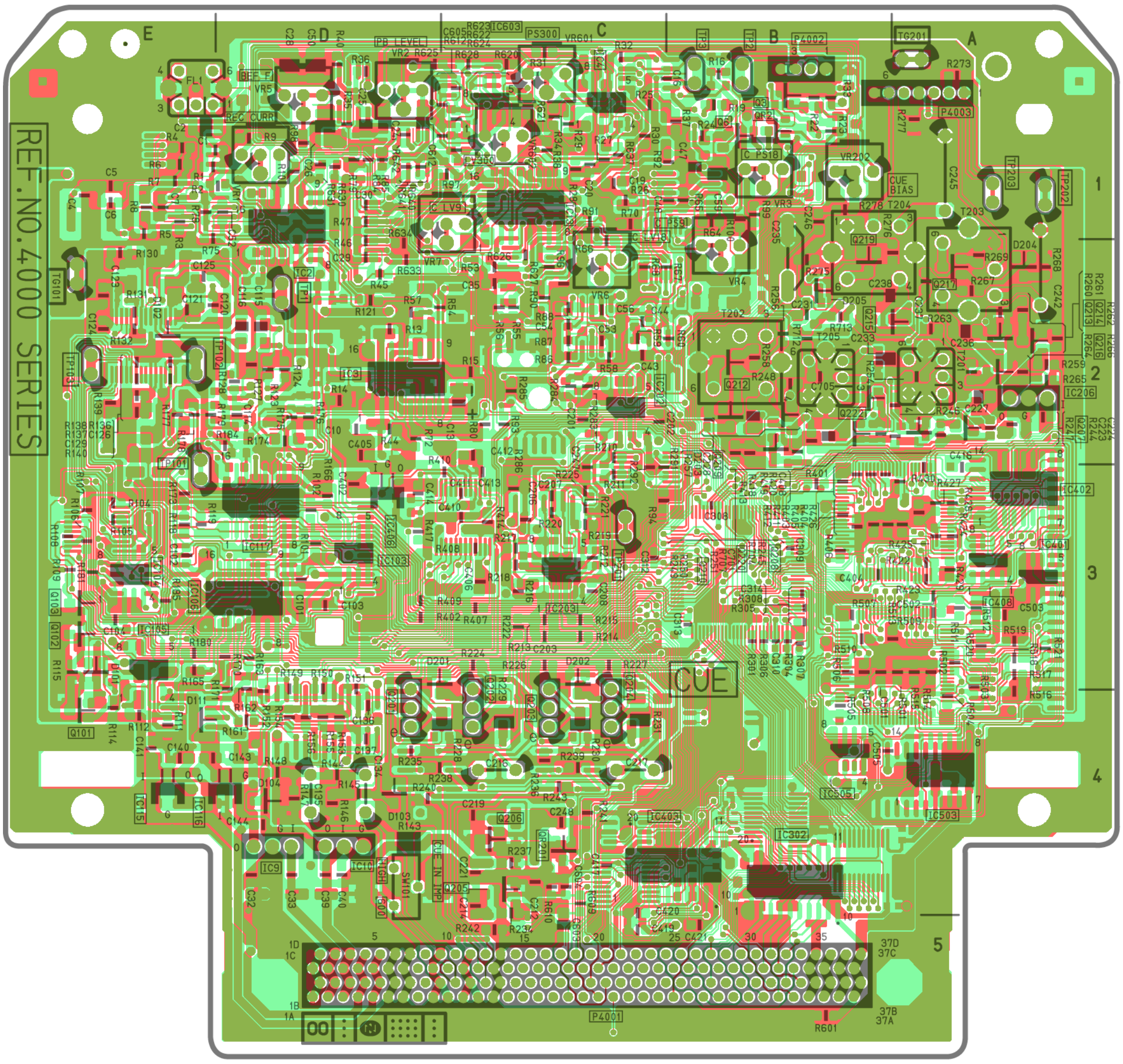
REC CURR
NORMAL
TEST
SW201
CUE BIAS
P4001
P4002
P4003
TG201
TG101
37D
37C
37B
37A
1D
1C
1B
1A

(COMPONENT SIDE)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC
IC2	D-1	P4002	B-1	QR2	B-1
IC3	D-2	P4003	A-1	QR201	C-4
IC4	C-1	Q3	B-1	TG101	E-2
IC9	D-4	Q6	B-1	TG201	A-1
IC10	D-4	Q101	E-4	TP1	D-2
IC13	C-1	Q102	E-3	TP2	B-1
IC103	D-3	Q103	E-3	TP3	B-1
IC104	E-3	Q201	D-4	TP101	E-2
IC105	E-3	Q202	C-4	TP102	E-2
IC106	D-3	Q203	C-4	TP103	E-2
IC115	E-4	Q204	C-4	TP201	C-3
IC116	E-4	Q205	C-4	TP202	A-1
IC117	D-3	Q206	C-4	TP203	A-1
IC202	C-2	Q207	A-2	VR1	D-1
IC203	C-3	Q208	A-2	VR2	D-1
IC206	A-2	Q209	B-2	VR3	B-1
IC302	B-4	Q210	B-2	VR4	B-2
IC401	A-3	Q212	B-2	VR5	D-1
IC402	A-3	Q213	A-2	VR6	C-2
IC403	B-4	Q214	A-2	VR7	C-1
IC406	D-3	Q215	A-2	VR202	B-1
IC408	A-3	Q216	A-2	VR601	C-1
IC503	A-4	Q217	A-2	VR602	C-1
IC505	B-4	Q219	B-2		
IC603	C-1	Q220	B-2		
P4001	C-5	Q222	B-2		



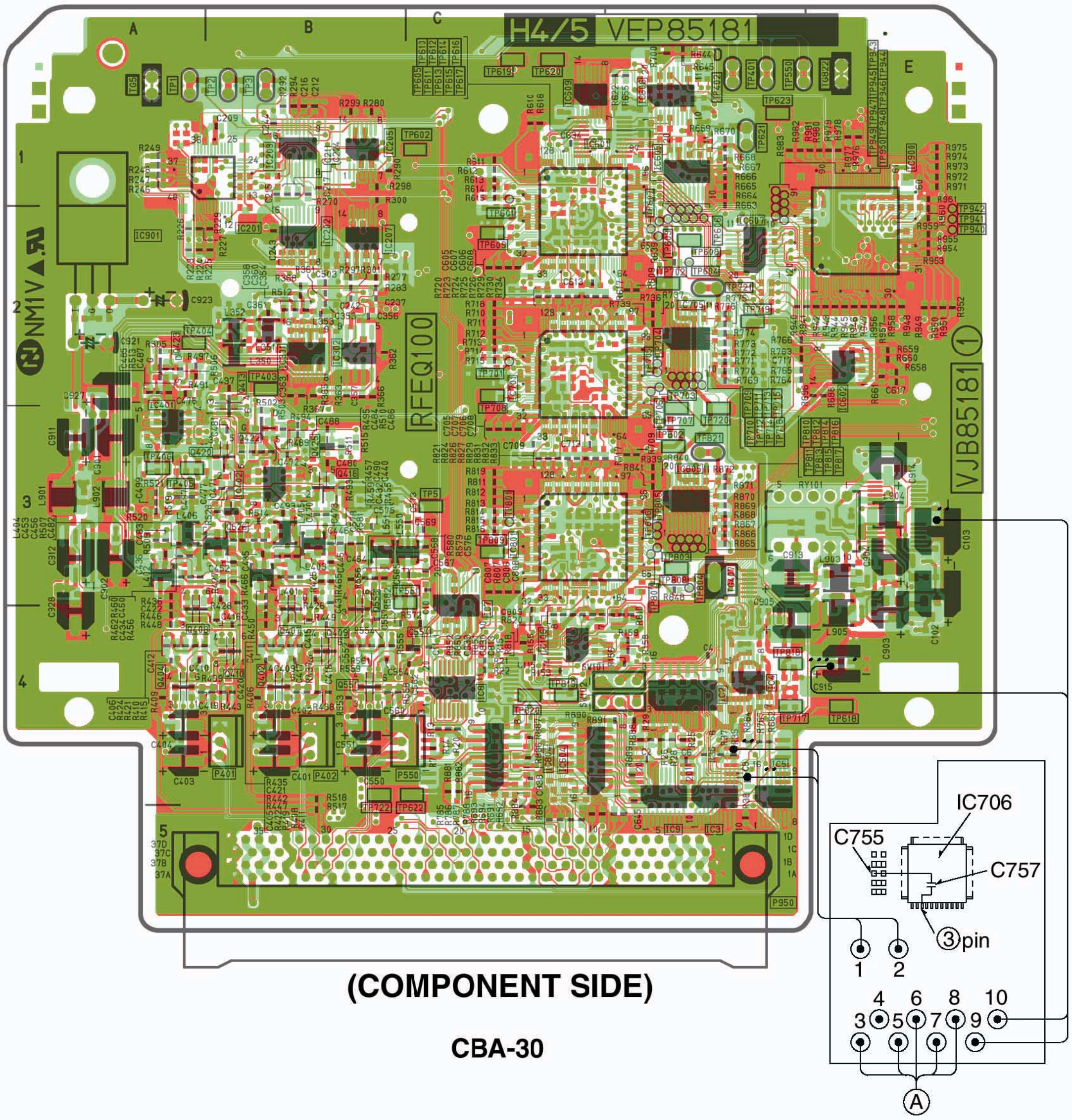
(FOIL SIDE)

CBA-29

RFEQ 100 P.C.BOARD (VEP85181B) / RF EQ SUB P.C.BOARD (VEP85199A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	D-4	IC900	E-1	TP401	D-1	TP622	B-4	TP807	D-3
IC3	D-4	IC901	A-2	TP402	D-1	TP623	D-1	TP808	D-3
IC4	D-4	P401	B-4	TP403	B-2	TP701	C-2	TP809	C-3
IC5	D-4	P402	B-4	TP404	A-2	TP702	D-2	TP810	D-3
IC7	C-3	P550	B-4	TP405	A-3	TP703	D-2	TP811	D-3
IC8	C-4	P950	D-5	TP406	A-3	TP704	D-2	TP812	D-3
IC9	D-4	Q402	B-4	TP550	D-1	TP705	D-2	TP813	D-3
IC106	C-4	Q404	A-4	TP551	B-3	TP706	D-2	TP814	D-3
IC201	B-2	Q407	B-4	TP601	C-1	TP707	D-3	TP815	D-3
IC202	B-2	Q408	A-4	TP602	C-1	TP708	C-2	TP816	D-3
IC203	B-1	Q409	B-4	TP603	D-2	TP709	D-2	TP817	D-3
IC205	B-1	Q410	B-4	TP604	D-2	TP710	D-2	TP818	D-4
IC207	B-2	Q413	B-2	TP605	D-1	TP711	D-2	TP819	C-4
IC301	B-2	Q418	B-3	TP606	D-2	TP712	D-2	TP820	C-4
IC302	B-2	Q420	B-3	TP607	D-2	TP713	D-2	TP821	D-3
IC401	A-3	Q422	B-3	TP608	D-2	TP714	D-2	TP940	E-2
IC402	B-3	Q423	A-2	TP609	C-2	TP715	D-2	TP941	E-2
IC601	C-1	Q425	B-3	TP610	D-1	TP716	D-2	TP942	E-2
IC602	E-2	Q526	B-3	TP611	D-1	TP717	D-4	TP943	D-1
IC604	C-4	Q551	B-4	TP612	D-1	TP719	D-2	TP944	D-1
IC605	D-1	Q553	B-3	TP613	D-1	TP720	D-3	TP945	D-1
IC606	D-1	Q554	C-4	TP614	D-1	TP721	D-2	TP946	D-1
IC607	D-2	TG5	A-1	TP615	D-1	TP722	B-4	TP947	D-2
IC609	C-1	TG407	D-3	TP616	D-1	TP801	C-3	TP948	D-2
IC701	C-2	TG822	E-1	TP617	D-1	TP802	D-3	TP949	D-2
IC705	D-2	TP1	A-1	TP618	E-4	TP803	D-3	TP950	D-2
IC801	C-3	TP2	B-1	TP619	C-1	TP804	D-3		
IC804	C-4	TP3	B-1	TP620	C-1	TP805	D-3		
IC805	D-3	TP5	C-3	TP621	D-1	TP806	D-3		



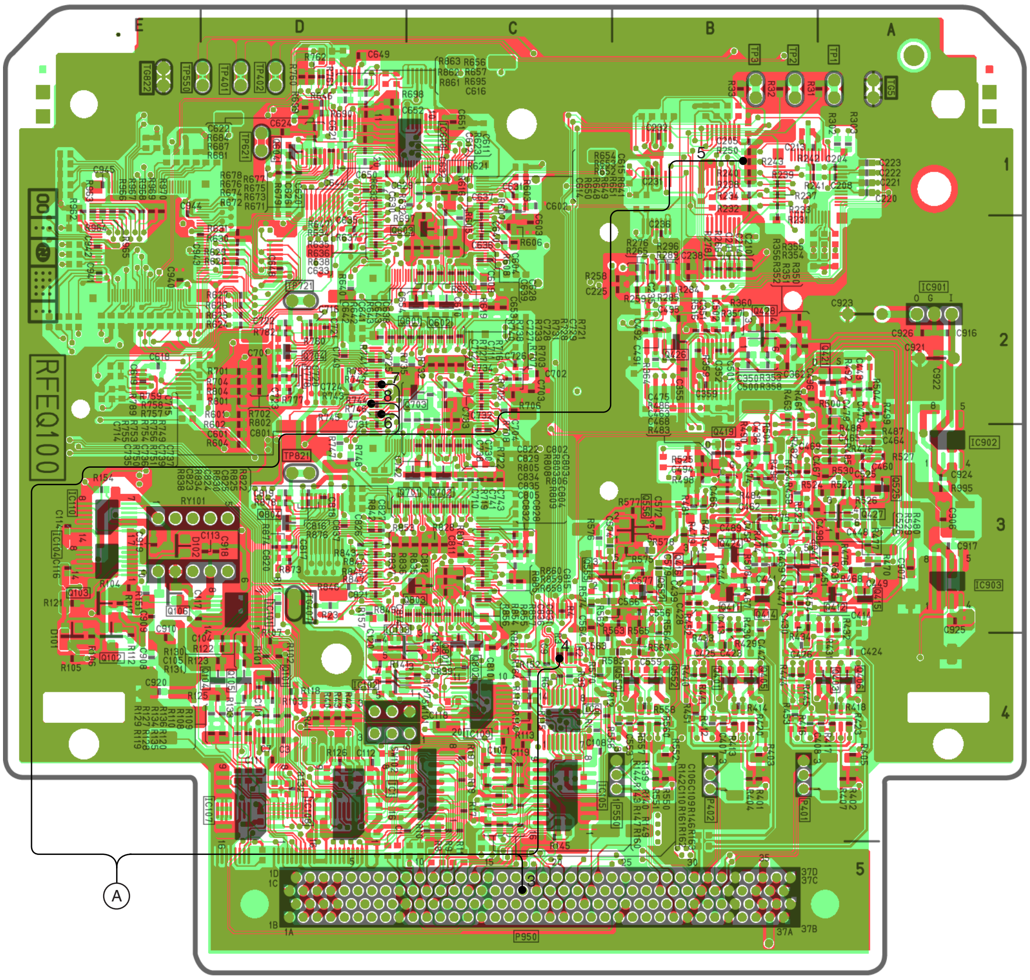
(COMPONENT SIDE)

CBA-30

RF EQ SUB P.C.BOARD (VEP85199A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC
IC1	C-4	Q411	B-3	Q804	D-3
IC6	C-4	Q412	A-3	TG5	A-1
IC101	D-3	Q414	B-3	TG407	D-3
IC102	D-4	Q415	A-3	TG822	E-1
IC103	D-3	Q416	B-3	TP1	A-1
IC104	E-3	Q417	B-3	TP2	B-1
IC105	C-4	Q419	B-3	TP3	B-1
IC107	D-4	Q421	A-2	TP401	D-1
IC108	D-4	Q424	B-3	TP402	D-1
IC109	C-4	Q426	B-2	TP550	D-1
IC110	E-3	Q427	A-3	TP621	D-1
IC608	C-1	Q428	B-2	TP721	D-2
IC901	A-2	Q525	A-3	TP821	D-3
IC902	A-3	Q550	B-4		
IC903	A-3	Q552	B-4		
P401	B-4	Q555	C-3		
P402	B-4	Q556	B-3		
P550	B-4	Q557	B-3		
P950	C-5	Q601	C-2		
Q101	D-4	Q602	C-2		
Q102	E-4	Q603	C-2		
Q103	E-3	Q604	D-1		
Q104	D-4	Q701	C-3		
Q105	D-4	Q702	C-3		
Q106	E-3	Q703	C-2		
Q401	B-4	Q704	D-2		
Q403	A-4	Q801	C-4		
Q405	B-4	Q802	C-4		
Q406	A-4	Q803	C-3		



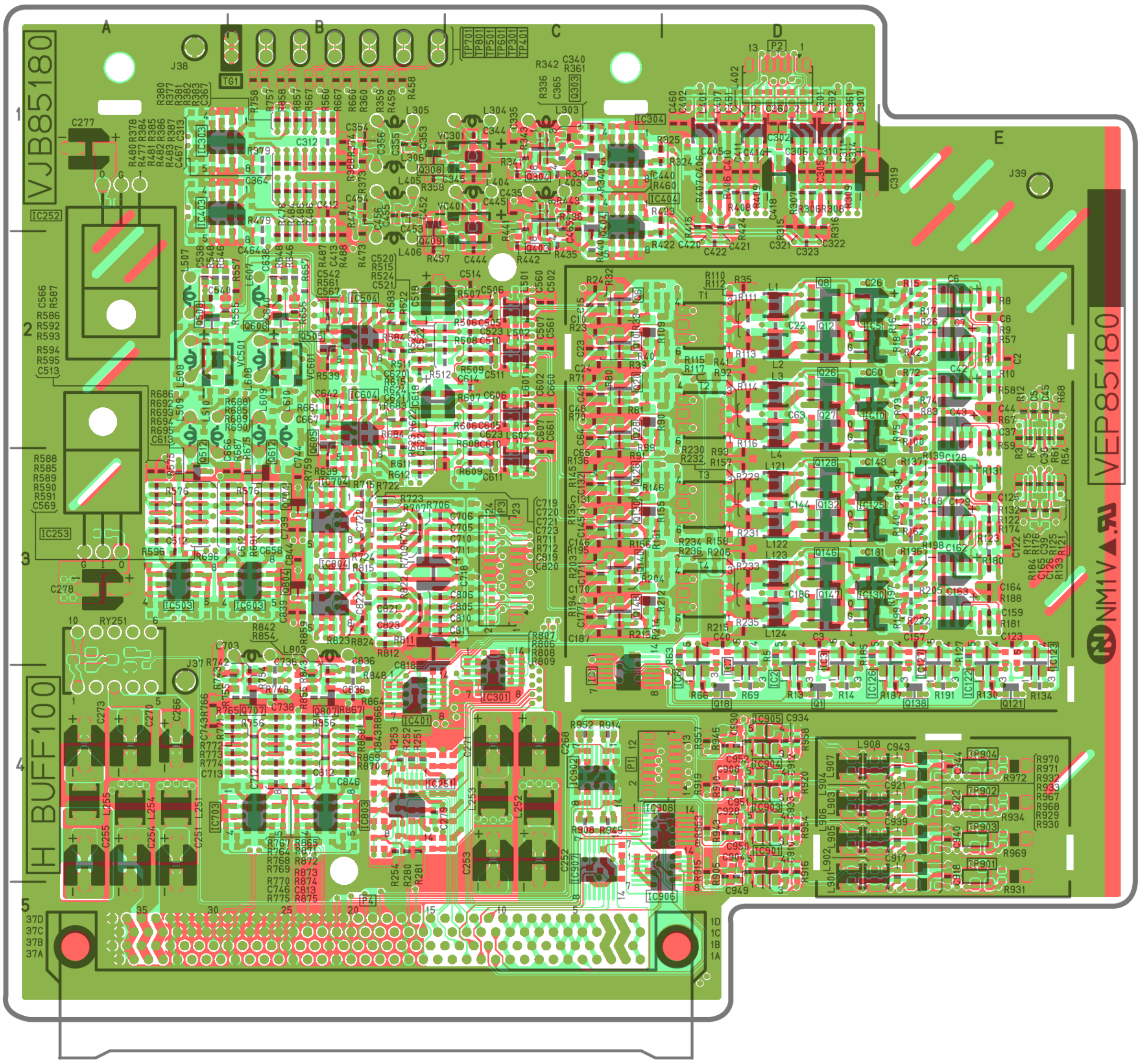
(FOIL SIDE)

CBA-31

HEAD BUFF 100 P.C.BOARD (VEP85180A)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	C-4	IC703	B-4	Q121	E-4	TG1	A-1
IC2	D-3	IC704	B-3	Q126	C-3	TP301	B-1
IC3	D-3	IC803	B-4	Q128	D-3	TP401	B-1
IC5	D-2	IC804	B-3	Q130	C-3	TP501	B-1
IC6	D-3	IC901	D-4	Q132	D-3	TP601	B-1
IC7	D-3	IC902	C-4	Q138	E-4	TP701	B-1
IC10	D-2	IC903	D-4	Q140	C-3	TP801	B-1
IC122	E-3	IC904	D-4	Q146	D-3	TP901	E-4
IC123	E-3	IC905	D-4	Q147	D-3	TP902	E-4
IC125	D-3	IC906	C-4	Q148	C-3	TP903	E-4
IC126	E-3	IC907	C-4	Q303	C-1	TP904	E-4
IC127	E-3	IC908	C-4	Q304	C-1	VC301	C-1
IC130	D-3	P1	C-4	Q308	B-1	VC401	C-1
IC251	B-4	P2	D-1	Q403	C-1	VC501	B-2
IC252	A-2	P3	C-3	Q404	C-1	VC601	B-2
IC253	A-3	P4	B-5	Q409	B-1		
IC301	C-4	Q1	D-4	Q505	B-2		
IC303	A-1	Q6	C-2	Q508	A-2		
IC304	C-1	Q8	D-2	Q512	A-3		
IC401	B-4	Q10	C-2	Q605	B-2		
IC403	A-1	Q12	D-2	Q608	B-2		
IC404	C-1	Q18	D-4	Q612	B-3		
IC503	A-3	Q20	C-2	Q704	B-3		
IC504	B-2	Q26	D-2	Q707	B-4		
IC603	B-3	Q27	D-2	Q804	B-3		
IC604	B-2	Q28	C-2	Q807	B-4		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J38
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TG1
P2
IC252
IC253
IC303
IC304
IC404
IC503
IC603
IC301
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IC901
IC902
IC905
IC906
IC908
RY251
TP904
TP902
TP903
TP901
37D
37C
37B
37A
1D
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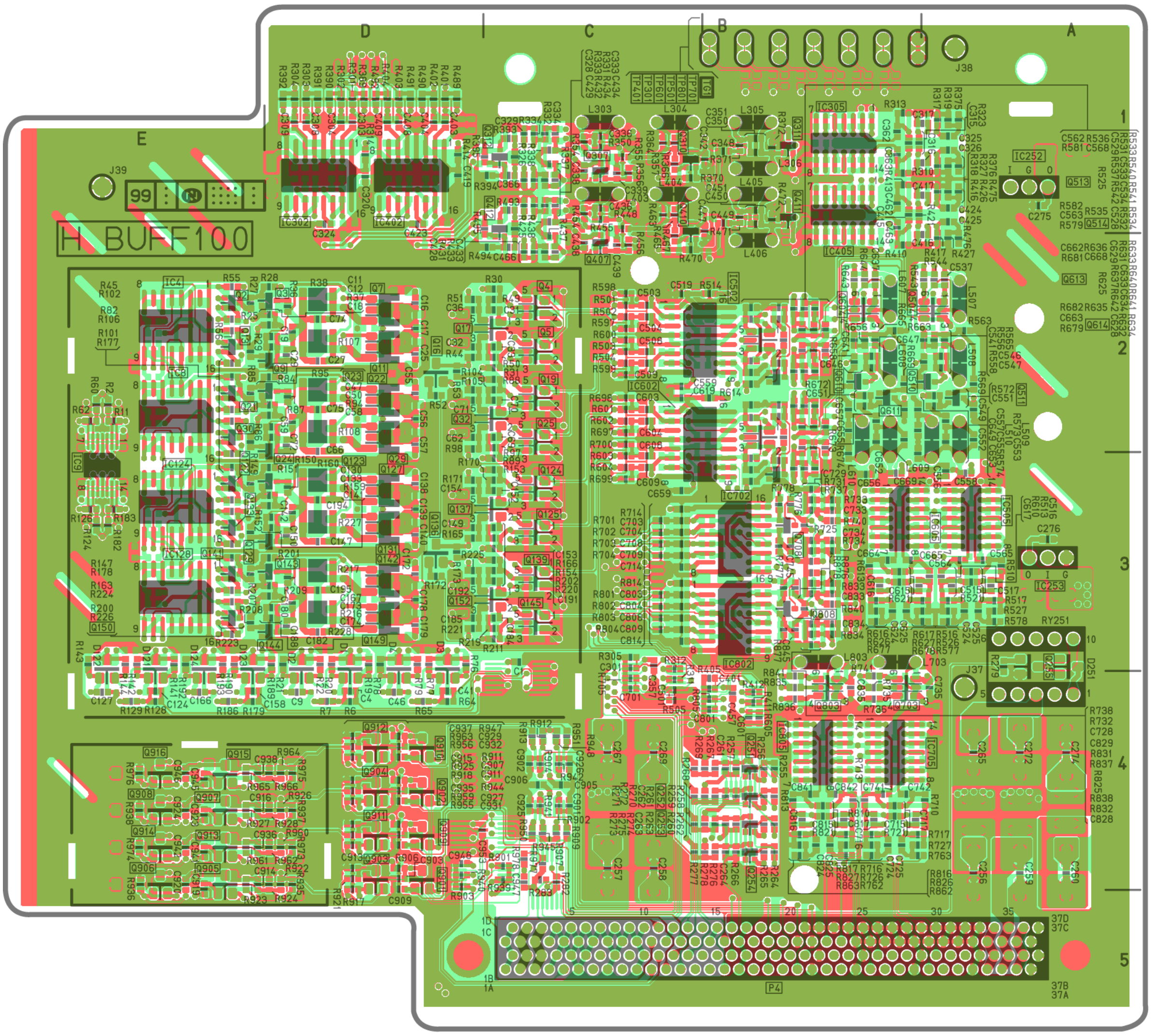
1A

(COMPONENT SIDE)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4	E-2	Q11	D-2	Q143	D-3	Q611	B-2	TP501	B-1
IC8	E-2	Q13	E-2	Q144	D-3	Q613	B-2	TP601	B-1
IC9	E-3	Q16	D-2	Q145	C-3	Q614	B-2	TP701	B-1
IC124	E-3	Q17	C-2	Q149	D-3	Q703	B-4	TP801	D-1
IC128	E-3	Q19	C-2	Q150	E-3	Q708	B-3		
IC252	A-1	Q21	E-2	Q152	C-3	Q803	B-4		
IC253	A-3	Q22	D-2	Q251	B-4	Q808	B-3		
IC302	D-1	Q23	D-2	Q252	B-4	Q901	D-4		
IC305	B-1	Q24	D-2	Q253	B-4	Q902	D-4		
IC402	D-1	Q25	C-2	Q254	B-4	Q903	D-4		
IC405	B-1	Q29	D-2	Q255	A-3	Q904	D-4		
IC502	C-2	Q30	E-2	Q307	C-1	Q905	E-4		
IC505	A-3	Q32	C-2	Q310	C-1	Q906	E-4		
IC602	C-2	Q122	E-3	Q311	B-1	Q907	E-4		
IC605	B-3	Q123	D-3	Q312	C-1	Q908	E-4		
IC702	B-3	Q124	C-3	Q407	C-2	Q909	D-4		
IC705	B-4	Q125	C-3	Q410	C-1	Q910	D-4		
IC802	B-3	Q127	D-3	Q411	B-1	Q911	D-4		
IC805	B-4	Q129	D-3	Q412	C-1	Q912	D-4		
P4	B-5	Q131	D-3	Q504	A-2	Q913	E-4		
Q2	E-2	Q133	E-3	Q510	A-2	Q914	E-4		
Q3	D-2	Q136	D-3	Q511	A-2	Q915	E-4		
Q4	C-2	Q137	C-3	Q513	B-2	Q916	E-4		
Q5	C-2	Q139	C-3	Q514	B-2	TG1	A-1		
Q7	D-2	Q141	E-3	Q604	B-2	TP301	B-1		
Q9	D-2	Q142	D-3	Q610	B-2	TP401	B-1		



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J39
J38
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IC253
IC302
IC402
IC305
IC405
IC502
IC602
IC702
IC802
IC705
IC4
IC8
IC9
IC124
IC128
RY251

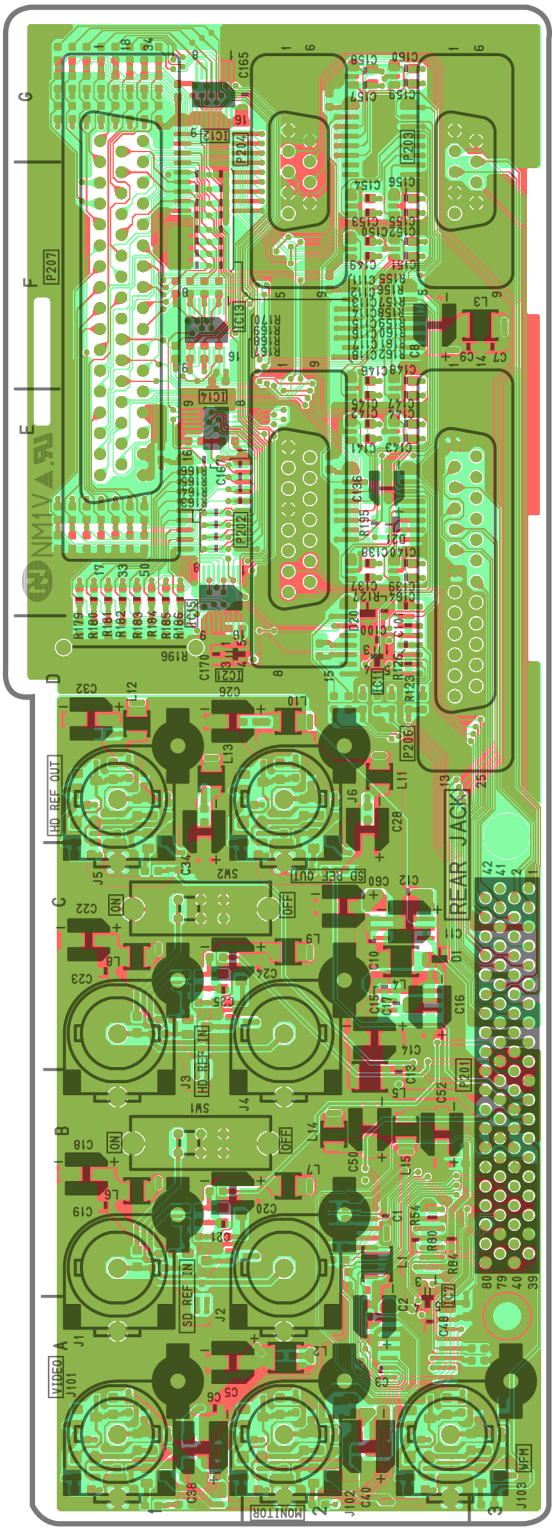
(FOIL SIDE)

CBA-33

REAR JACK P.C.BOARD (VEP83478A)

COMPONENT SIDE

REF	LOC
IC7	A-2
IC11	D-2
IC12	G-1
IC13	F-1
IC14	E-1
IC15	E-1
IC21	D-1
P201	B-3
P202	E-2
P203	G-2
P204	G-2
P206	D-2
P207	F-1



(COMPONENT SIDE)

FOIL SIDE

REF	LOC	REF	LOC
IC1	C-2	Q11	A-2
IC2	C-2	Q12	A-1
IC3	A-1	Q13	A-2
IC4	A-2	Q14	A-3
IC5	A-2	Q40	E-2
IC6	B-2	Q41	E-2
IC10	D-2	Q42	E-2
IC16	G-1	Q43	E-2
IC17	E-1	Q44	E-2
IC18	E-2	Q45	E-2
IC19	F-2	Q46	F-2
IC20	G-2	Q47	F-2
P201	B-3	Q48	F-2
P202	E-2	Q49	F-2
P203	F-3	Q50	G-2
P204	F-2	Q51	G-2
P206	E-2		
P207	F-1		
Q1	B-1		
Q2	B-1		
Q3	C-1		
Q4	C-1		
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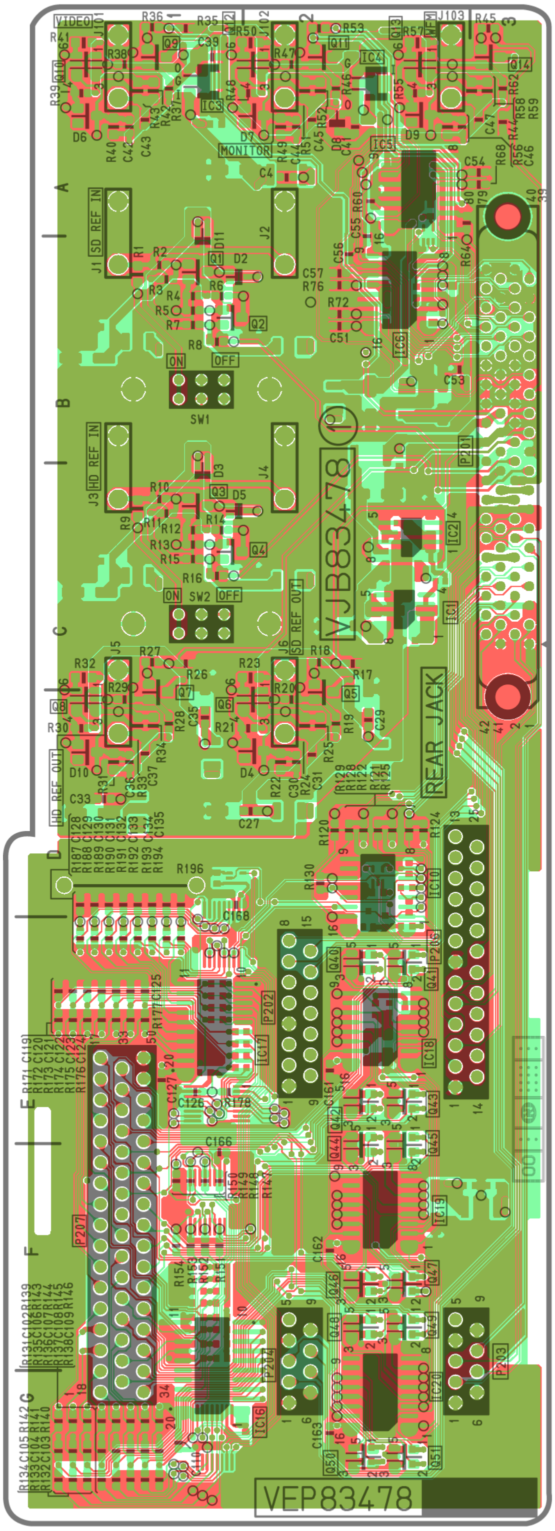
Q8	D-1		
Q9	A-1		
Q10	A-1		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J102
J103
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HD REF IN
SD REF OUT
HD REF OUT
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SW2
ON
OFF
REAR JACK
MJB83478
VEP83478
P201
P202
P203
P204
P205
P207
IC1
IC2
IC3
IC4
IC5
IC6
IC10
IC16
IC17
IC18
IC19
IC20
A
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(FOIL SIDE)

CBA-35

POWER 1 P.C.BOARD (VEP81200B)

COMPONENT SIDE

REF	LOC
IC1	D-2
IC2	D-2
IC3	B-1
P1101	C-3
P1102	A-3
P1103	B-3
P1104	C-1
VR2	D-2

▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

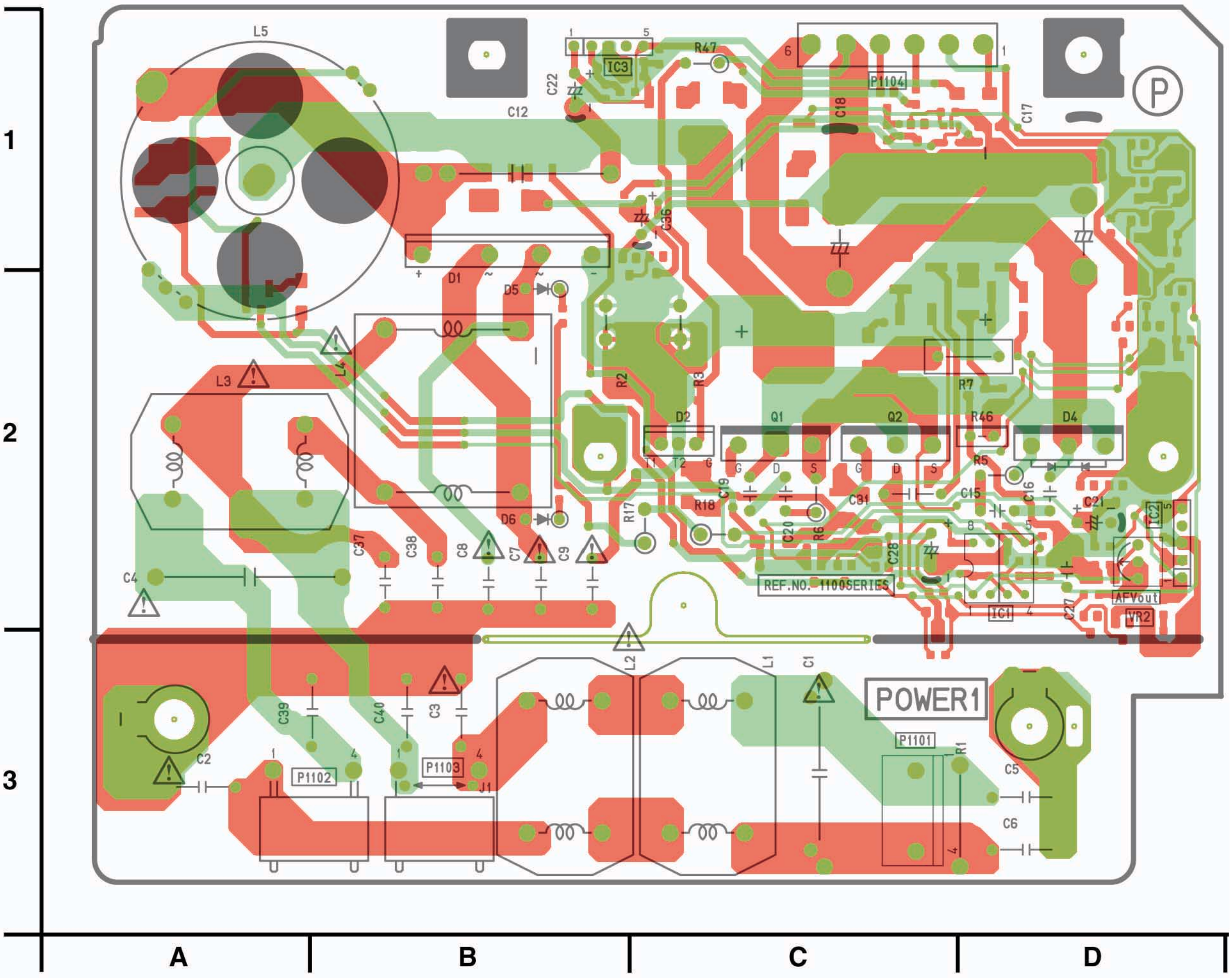
CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

⚠ 警 告

⚠ の部品は、安全上重要な部品です。
交換するときは、安全及び性能維持のため、
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.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D5
L4
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R2
R3
D2
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R46
D4
R7
R5
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C16
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L2
L1
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POWER1
P1101
R1
C5
C6
C2
C39
C40
C3
P1102
P1103
J1

(COMPONENT SIDE)

▭ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

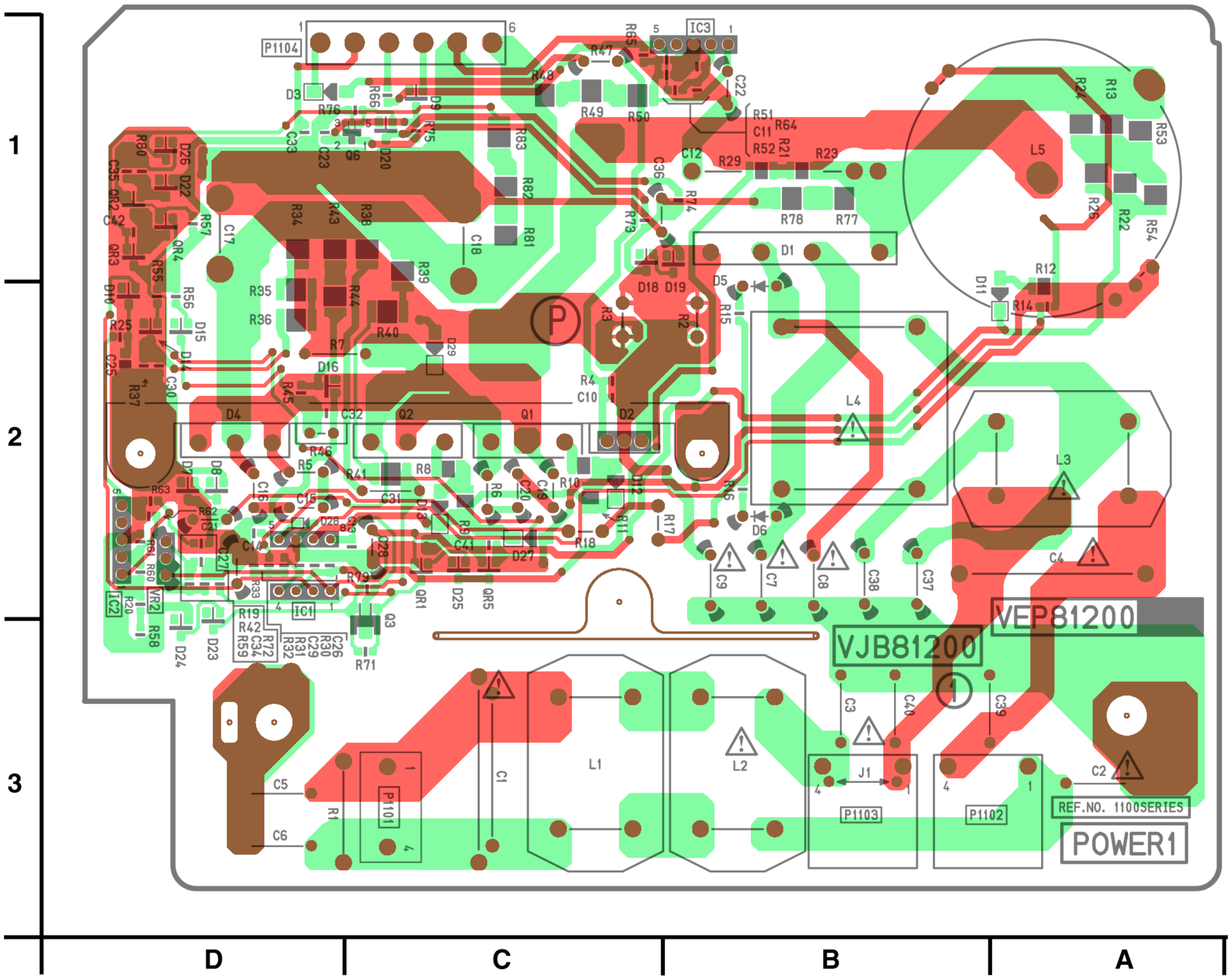
⚠ 警 告

⚠ の部品は、安全上重要な部品です。
交換するときは、安全及び性能維持のため、
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.

SOLDER SIDE

REF	LOC
IC1	D-2
IC2	D-2
IC3	B-1
P1101	C-3
P1102	A-3
P1103	B-3
P1104	D-1
VR2	D-2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C
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P1104
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IC1
IC2
VR2
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L3
L4
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J1
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Q2
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C2
C3
C4
C5
C6
R1
R2
R3
R4
R5
VJB81200
VEP81200
REF.NO. 1100SERIES
POWER1

(FOIL SIDE)

POWER 2 P.C.BOARD (VEP81201A)

COMPONENT SIDE

REF	LOC
IC1	D-1
IC2	D-1
IC11	D-2
IC12	A-2
IC13	D-3
P1011	B-3
P1012	C-3
P1013	C-3
P1014	A-3
P1015	B-1
P1016	D-3
P1017	C-3
P1018	B-3
Q11	C-1
Q12	B-1
Q13	A-2
Q14	D-2
Q15	C-2
Q16	C-2
Q20	A-2
T1	C-2
T2	A-2
VR1	D-1
VR2	D-1

□ 内は充電部です。AC100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

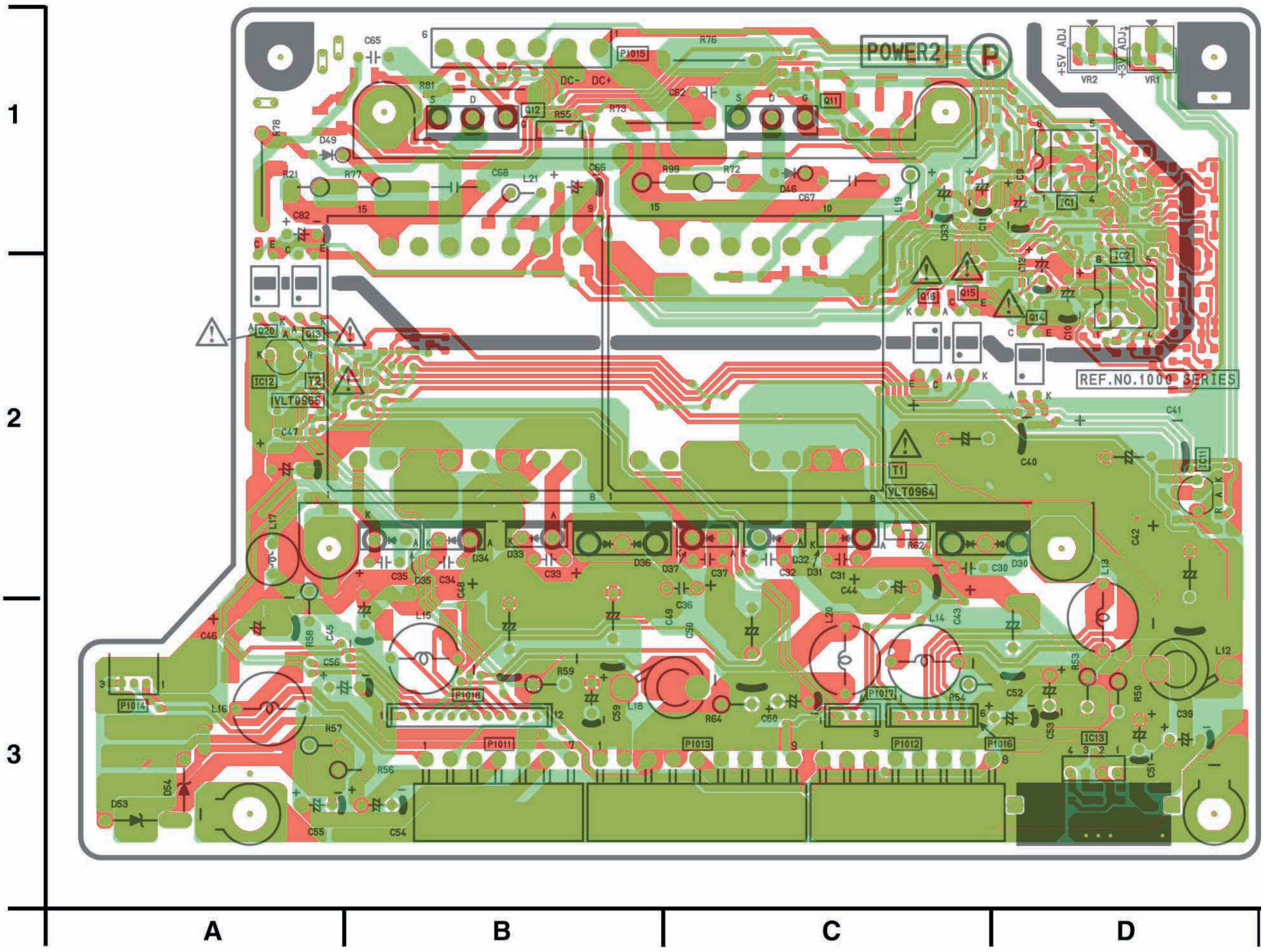
CAUTION

THE □ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

⚠ 警 告

⚠の部品は、安全上重要な部品です。
交換するときは、安全及び性能維持のため、
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.


1
2
3
A
B
C
D
POWER2
REF.NO.1000 SERIES
+5V ADJ
+3V ADJ
VR2
VR1
P1015
Q12
Q11
IC1
IC2
Q16
Q15
Q14
Q20
Q13
IC12
T2
VLT0965
T1
VLT0964
IC11
IC13
P1014
P1018
P1011
P1013
P1017
P1012
P1016
DC-
DC+
C65
R81
R55
R73
C62
R76
R78
D49
R21
R77
C68
L21
C66
R99
R72
D46
C67
L19
C82
C47
L17
C46
C35
D35
C34
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D39
C33
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D37
C37
D32
C32
D31
C31
C44
C30
D30
C36
C49
C50
L15
L16
R58
C45
C56
R59
C59
L18
R64
C60
L20
L14
C43
R54
C52
R53
C53
R50
C39
L12
C51
C42
L13
C40
C41
R57
R56
D54
D53
C55
C54

(COMPONENT SIDE)

SOLDER SIDE

REF	LOC
IC1	D-1
IC2	D-2
IC11	D-2
IC12	A-2
IC13	D-3
P1011	B-3
P1012	C-3
P1013	C-3
P1014	A-3
P1015	B-1
P1016	C-3
P1017	C-3
P1018	B-3
Q11	C-1
Q12	B-1
Q13	A-2
Q14	D-2
Q15	C-2
Q16	C-2
Q20	A-2
T1	C-2
T2	B-2
VR1	D-1
VR2	D-1

▭ 内は充電部です。AC100Vが加わっておりますので点検、
修理のときは感電しないよう充分ご注意ください。

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

⚠ 警 告

⚠の部品は、安全上重要な部品です。
交換するときは、安全及び性能維持のため、
必ず指定の部品をご使用ください。

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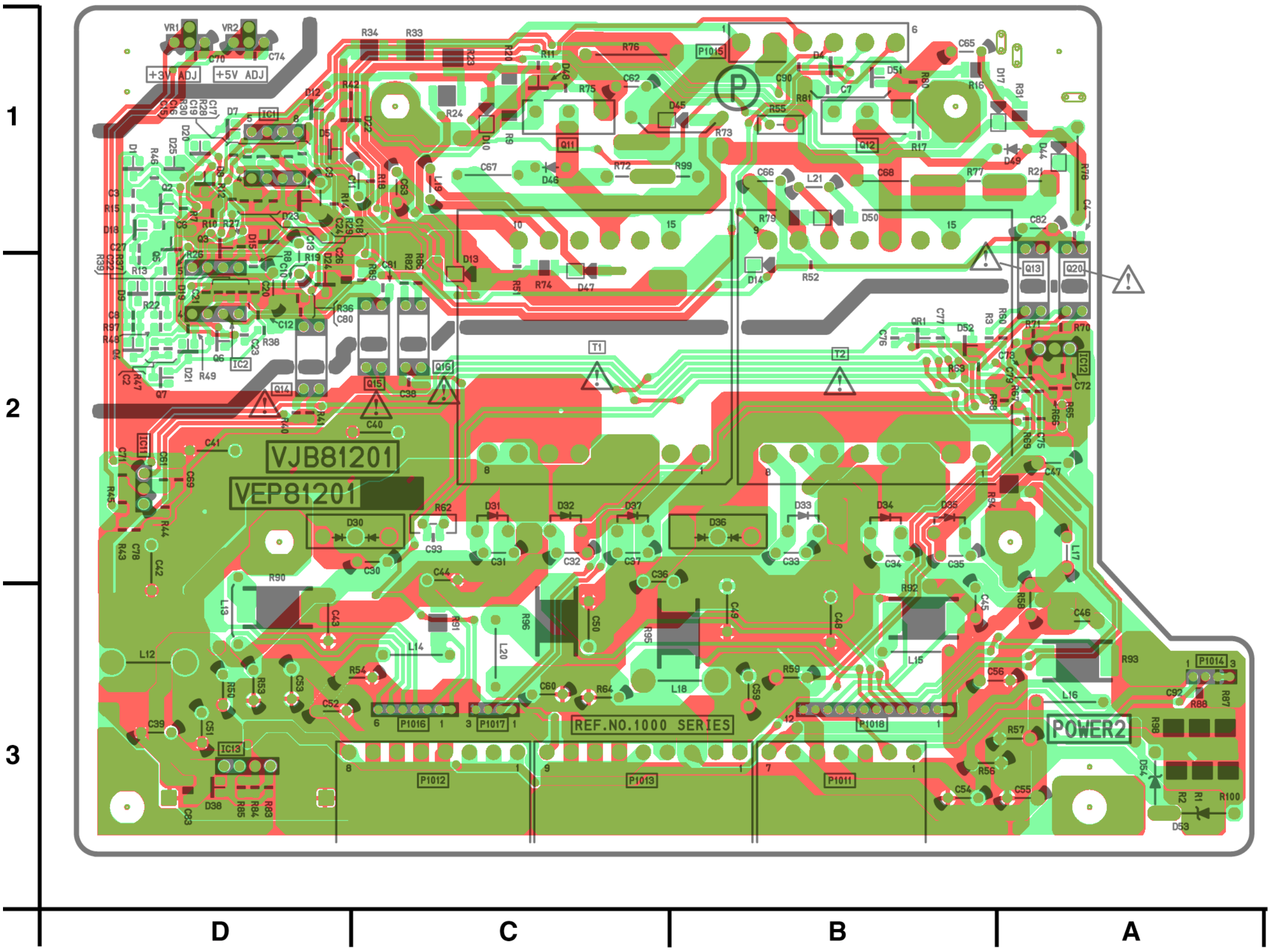
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.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B
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VR1
VR2
+3V ADJ
+5V ADJ
P1015
P
T1
T2
VJB81201
VEP81201
REF.NO.1000 SERIES
POWER2
P1012
P1013
P1011
P1016
P1017
P1018
P1014
IC13

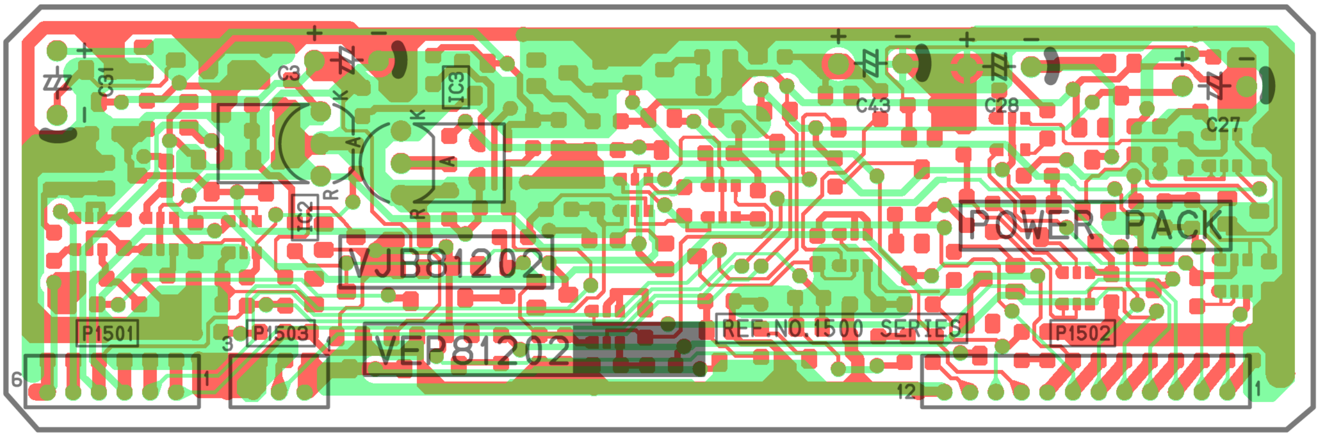
(FOIL SIDE)

CBA-39

POWER PACK P.C.BOARD (VEP81202A)

COMPONENT SIDE

REF	LOC
IC2	A-1
IC3	A-1
P1501	A-1
P1502	B-1
P1503	A-1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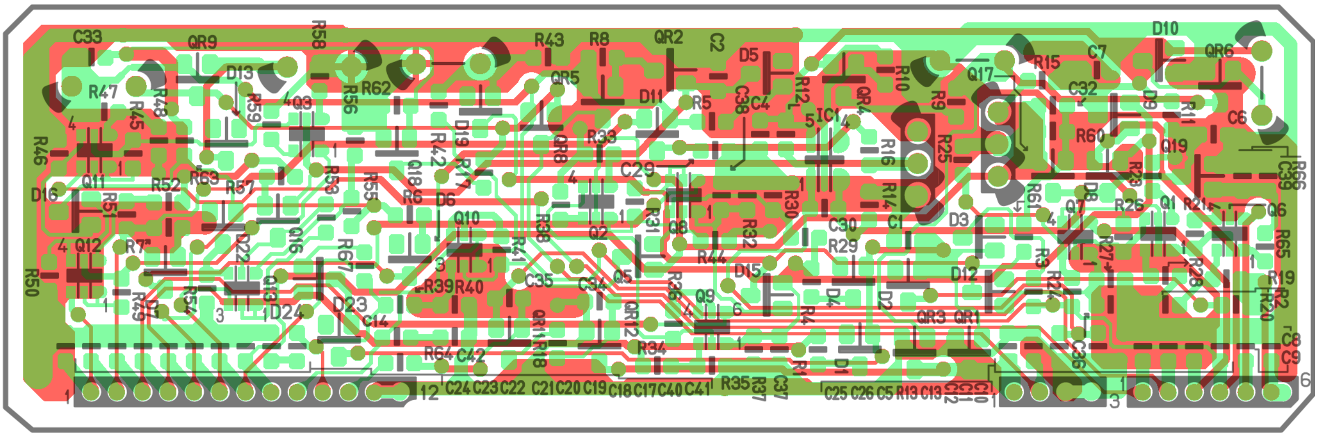
IC3
IC2
K
A
R
VJB81202
VEP81202
P1501
P1503
P1502
C43
C28
C27
POWER PACK
REF.NO.1500 SERIES
6
1
3
12

(COMPONENT SIDE)


C33
QR9
R58
R43
R8
QR2
C2
D5
D10
R47
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R48
R45
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R56
R62
QR5
D11
R5
C38
C4
R12
IC1
QR4
R10
Q17
R15
C7
QR6
R9
C32
D9
R11
C6
R46
R16
R25
R60
Q19
C39
R66
D16
Q11
R51
R52
R63
R57
Q18
R42
D19
R17
QR8
R33
C29
R30
R14
R61
D8
R23
R26
Q1
R21
Q6
R6
D6
R55
R53
Q10
R38
Q2
R31
Q8
R32
C30
C1
D3
Q7
R65
Q12
R7
D22
Q16
R67
R41
R44
R29
R3
R27
R28
D15
D12
R24
R19
R2
R20
R50
R49
D7
R54
Q13
D24
D23
C14
R39
R40
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C34
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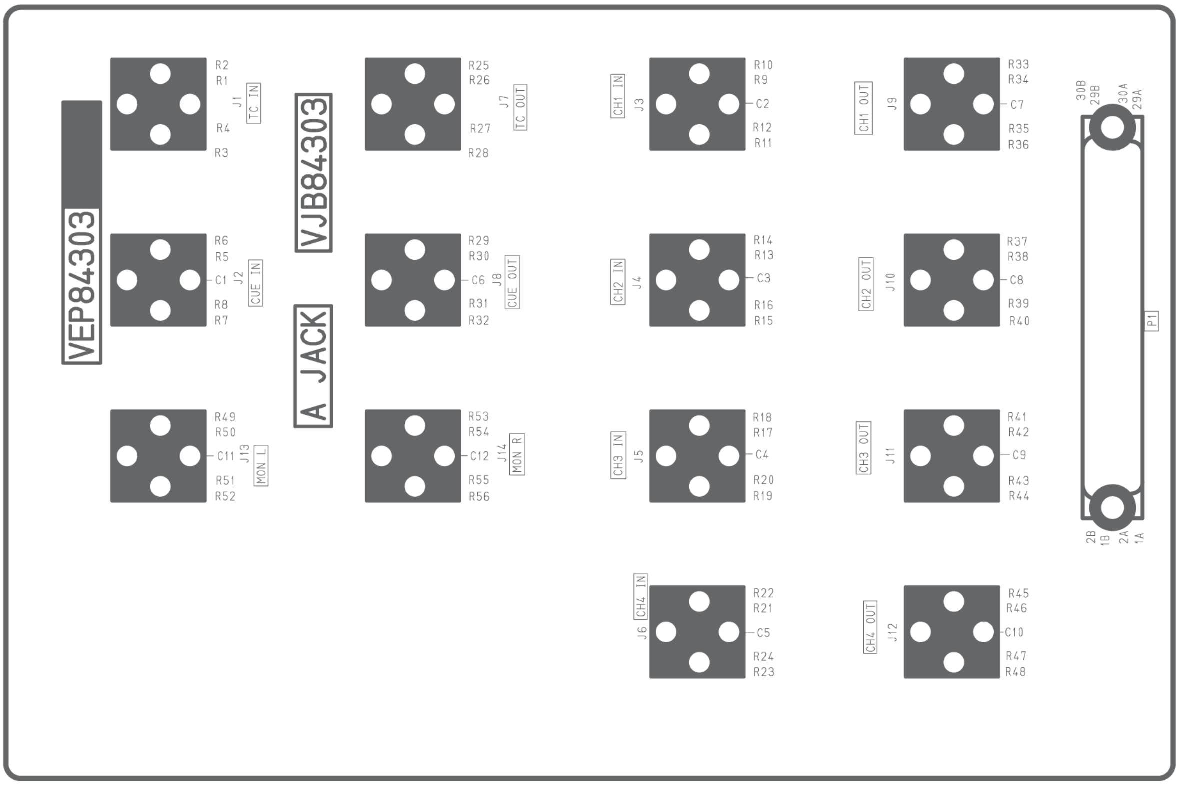
Q9
R4
D4
D2
QR3
QR1
C36
C8
C9
QR11
QR12
R34
R64
C42
R18
D1
R1
C24
C23
C22
C21
C20
C19
C18
C17
C40
C41
R35
R37
C37
C25
C26
C5
R13
C13
C11
C10
C12
1
3
4
6
12

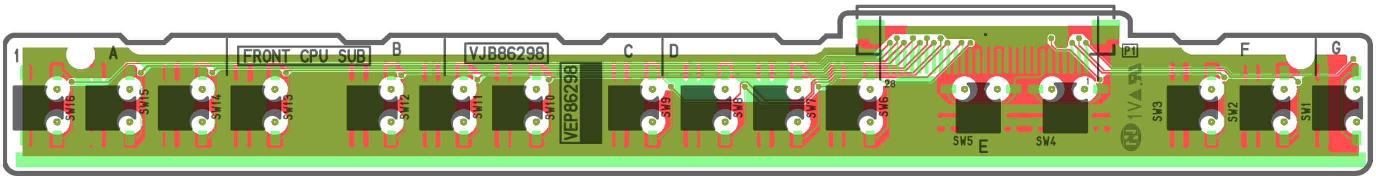
(FOIL SIDE)

AUDIO JACK P.C. BOARD (VEP84303B)



(FOIL SIDE)

FRONT CPU SUB P.C.BOARD (VEP86298A)



(COMPONENT SIDE)

SECTION 7

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS,
   all capacitors are in MICROFARADS (µF), P=µµF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the diacontinuation of this assembly in production, it will no longer be available.

CONTENTS

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CASSETE COMPARTMENT ASSEMBLY........ PRT-6
FRONT PANEL ASSEMBLY PRT-8
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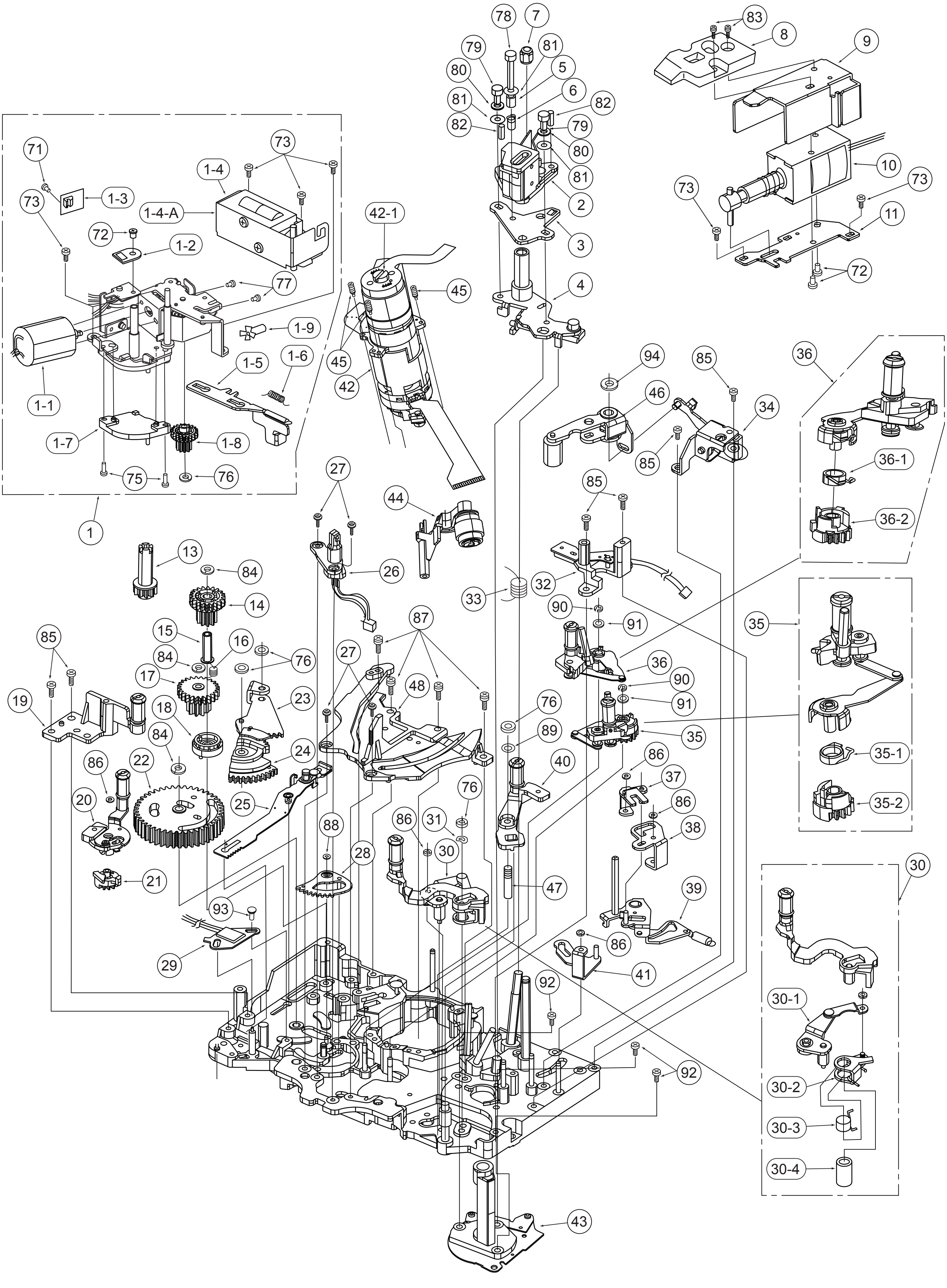
CASING PARTS ASSEMBLY........ PRT-14
PACKING PARTS ASSEMBLY PRT-16
ELECTRICAL REPLACEMENT PARTS LIST PRT-17

SERVICING FIXTURES & TOOLS

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145A	BACK TENSION METER	1	
2	VFK1149A	POST DRIVER	1	
3	VFK71A	DIAL TORQUE GAUGE	1	150g
4	VFK1191A	DIAL TORQUE GAUGE	1	45g
5	VFK1152	DIAL TORQUE GAUGE ADAPTER	1	
6	VFK0357	ECCENTRIC SCREWDRIVER	1	
7	VFK1154	POST HEIGHT FIXTURE	1	
8	VFK1586	MECH NEUTRAL PLATE	1	
9	VFK1587	NEUTRAL POSITION TOOL	1	(WITH HOLE)
10	VFK1588	PLAY POSITION TOOL	1	
11	VFK1150	NUT DRIVER (5.5mm)	1	
12	VFK1593	NUT DRIVER (4.5mm)	1	
13	VFK1188A	DIAL TENSION GAUGE	1	
14	VFK0948A	CHECK LIGHT	1	
15	VFK0749	FROIRAL GREASE (WHITE)	1	(FOR PLASTIC PART)
16	M0R265	MORLYTONE GREASE (BLACK)	1	(FOR METAL PART)
17	VFK1146	PHILIPS DRIVER (00-75)	1	
18	VFK1147	PHILIPS DRIVER (00-100)	1	
19	VFK1148	HEX DRIVER (1.5mm)	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
20	VFK1178	HEX DRIVER (0.89mm)	1	
21	VFK1179	HEX DRIVER (0.71mm)	1	
22	VFK1589	A/C HEAD TILT ADJ. TOOL	1	
23	VFK1209A	TORQUE DRIVER	1	
24	VFK0912	POST AXIS DRIVER (1.5mm)	1	
25	VFK1300	A/D CONVERTER BOARD	1	(DAQ-12 QUATECH)
26	VFM3580KM	DVCPRO ALIGNMENT TAPE	1	FOR NTSC(NO.1)(OR VFM3580KL)
27	VFM3581KM	DVCPRO ALIGNMENT TAPE	1	FOR NTSC(NO.2)(OR VFM3581KL)
28	VFM3582KM	DVCPRO ALIGNMENT TAPE	1	FOR NTSC(NO.3)(OR VFM3582KL)
29	VFM3380KM	DVCPRO 50 ALIGNMENT TAPE	1	
30	VFM3010EDS	DV ALIGNMENT TAPE	1	FOR NTSC(COLOR BAR)
31	VFM3000EDS	DV ALIGNMENT TAPE	1	(LISTA)
32	AJ-CL12MP	CLEANING TAPE	1	
33	VFK1369	TAPE DETECTION CASSETTE	1	
34	VFK1481A	LISTA SOFTWARE	1	
35	VFK1186	LISTA CABLE	1	
36	VFK1192	F EXTENSION BOARD	1	
37	VFK1193	H EXTENSION BOARD	1	
38	VZZ0095	CLEANING CLOTH	1	

MECHANICAL CHASSIS ASSEMBLY (1)



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30-4
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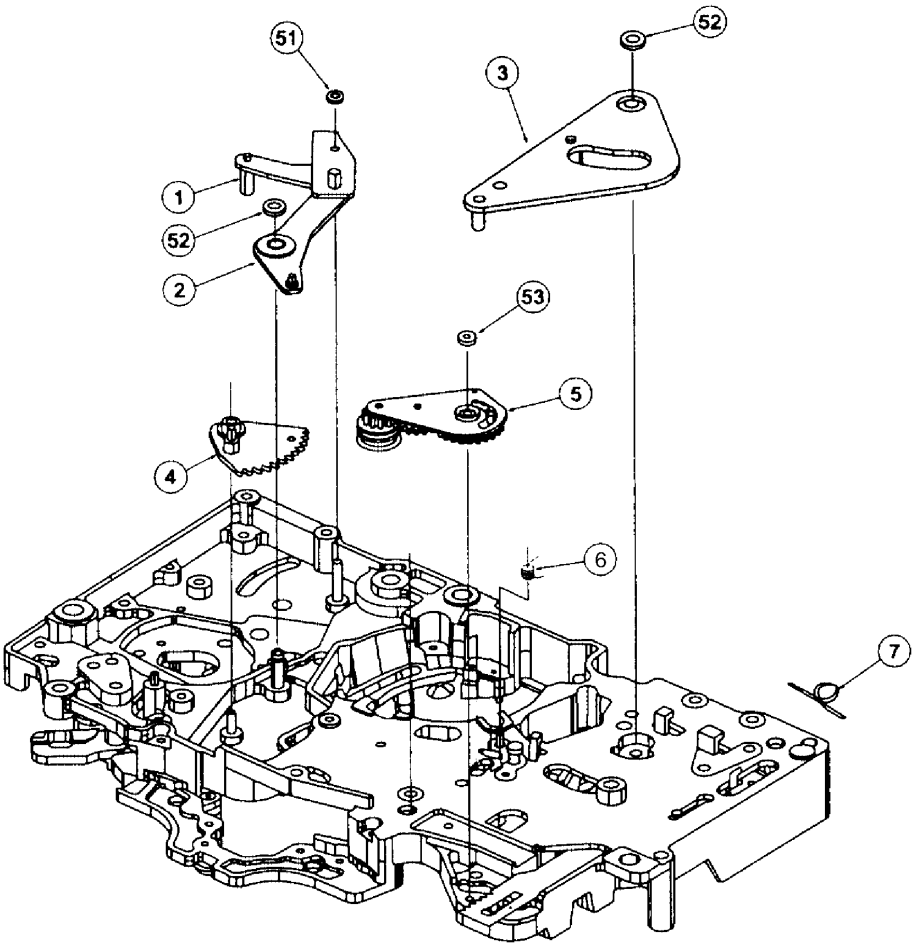
MECHANICAL CHASSIS ASSEMBLY(1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7038	MOTOR BRACKET	1	
1-1	VEM0726	MOTOR ASS' Y	1	(M)
1-2	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
1-3	VEK8982	FG SENSOR	1	
1-4	VXA6656	CLEANER SOLENOID ASS' Y	1	
1-4A	VSJ0226	CLEANER SOLENOID	1	(M)
1-5	VMM0441	CLEANER ROD	1	
1-6	VMB3454	CLEANER SPRING	1	
1-7	VES0925	MODE SW ASS' Y	1	(M)
1-8	VDG1426	WORM WHEEL	1	
1-9	VXP2029	WORM ASS' Y	1	
2	VED0466	A/C HEAD 1 ASS' Y	1	(M)
3	VMA0F40	HORIZONTAL FIX BASE	1	
4	VXA6658	HIGHT FIX BASE	1	
5	VMS5987	AZIMUTH SLEEVE	1	
6	VMB2937	A/C HEAD ADJUST SPRING	1	
7	VHD0045	NYLON NUT	1	
8	VMA0F93	CABLE GUIDE	1	
9	VMA0E98	SOLENOID HOLD ANGLE	1	
10	VSJ0227	PINCH SOLENOID	1	(M)
11	VMA0E90	SOLENOID BASE	1	
13	VDG1434	EM GEAR	1	
14	VDG1437	CAM INTERMEDIATE GEAR B	1	
15	VMX2993	EM SLEEVE	1	
16	VMB3440	EM GEAR SPRING	1	
17	VDG1423	CAM INTERMEDIATE GEAR A	1	
18	VXP2037	EMERGENCY CONNECTION GEAR	1	
19	VXA6688	S4 POST BASE ASS' Y	1	(M)
20	VXL3005	S TENSION ARM ASS' Y	1	(M)
21	VDG1438	TENSION LEG GEAR	1	
22	VDG1424	MAIN CAM GEAR	1	(M)
23	VXA6647	S-LOAD SECTOR GEAR	1	
24	VDG1422	S-INTERMEDIATE GEAR	1	
25	VXA6717	EM ROD ASS' Y	1	
26	VEK8936	LED ASS' Y	1	
27	LMHD16064	SCREW	4	
28	VXA6700	TENSION LEG SECTOR GEAR	1	
29	VXA6644	TENSION SENSOR ASS' Y	1	
30	VXL2986	T5 ARM (1) ASS' Y	1	(M)
30-1	VXL2989	T5 DRIVE LEVER (A)	1	
30-2	VXL2991	T5 DRIVE LEVER (B)	1	
30-3	VMB3436	T5 CHARGE SPRING SPRING	1	
30-4	VMX2982	T5 ARM SLEEVE	1	
31	VMB3418	T5 THRUST SPRING	1	
32	VMD3910	TENSION BASE	1	
33	VMB3434	AC HIGHT SPRING	1	
34	VXA6703	PINCH ELEVATOR ASS' Y	1	
35	VXA6648	T LOADING ASS' Y	1	(M)
35-1	VMB3426	R-LOADING SPRING	1	
35-2	VDG1428	R-LOADING GEAR	1	
36	VXA6646	S LOADING ASS' Y	1	(M)
36-1	VMB3425	S-LOADING SPRING	1	
36-2	VDG1427	S-LOADING GEAR	1	
37	VXL3008	SOLENOID TURN ARM	1	
38	VML3520	SOLENOID INTERMEDIATE ARM	1	
39	VXL3002	PINCH TURN ARM	1	
40	VXL2977	T6 ARM ASS' Y	1	(M)
41	VXL3011	ELEVATOR DRIVE ASS' Y	1	
42	VEG1530	CYLINDER UNIT	1	(M)
42-1	VMD3885	CAP	1	
43	VEM0717	CAPSTAN ASS' Y	1	(M)
44	VXL3028	CLEANING ARM	1	(M)
45	VXQ0439	SCREW	3	
46	VXL3040	PINCH ARM ASS' Y	1	(M)
47	VMB3418	T6 THRUST SPRING	1	
48	VMD3909	LOADING SECTOR GEAR ASS' Y	1	
71	XQN2+A3	SCREW	1	
72	XQN2+A2	SCREW	3	
73	XQN2+CF3	SCREW	6	
75	XQN2+A5	SCREW	2	
76	VMX0967	CUT WASHER	5	
77	XQN16+A2	SCREW	2	
78	XVE2B12FP	HEX SCREW	1	
79	XVE2B4FZ	HEX SCREW	2	
80	XWA2B	WASHER	2	
81	XWG2A	WASHER	3	
82	XXE2A6FP	HEX SCREW	2	
83	XYN2+K5	SCREW	2	
84	VMX1599	CUT WASHER	3	
85	XQN2+CF4	SCREW	5	
86	VMX1061	WASHER	5	
87	XYN2+C6	SCREW	4	
88	VMX2027	CUT WASHER	1	
89	XWGV2Y4G	WASHER	1	
90	XUC12FP	E-RING	2	
91	XWGV15Z32G	WASHER	2	
92	XQN2+B3FZ	SCREW	3	
93	XQN16+A3	SCREW	1	
94	VMX0653	CUT WASHER	1	
*	VXY1525Z1	MECHANIZM ZSS' Y	1	(M)

MECHANICAL CHASSIS ASSEMBLY(2)

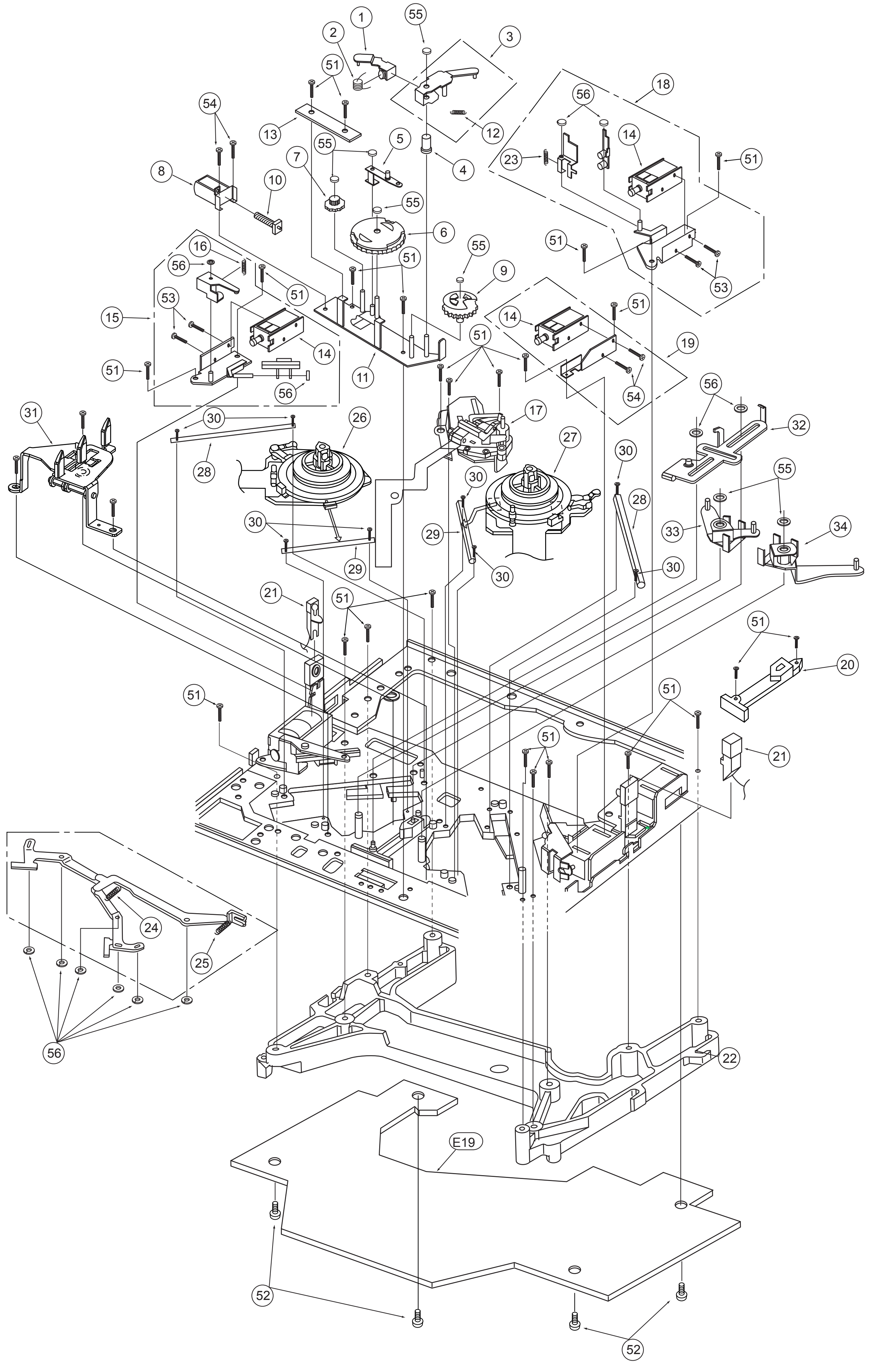


MECHANICAL CHASSIS ASSEMBLY(2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL3007	PINCH DRIVE ARM	1	
2	VXL3010	INTERMEDIATE ARM	1	
3	VXL3043	MAIN CAM ARM	1	
4	VXA6649	T-ROD SECTOR GEAR	1	
5	VXL3024	IDLER ARM ASS' Y	1	
6	VMB3445	TENSION LEG SECTOR GEAR	1	
7	VMB3453	EM ROD SPRING	1	
51	VMX1061	WASHER	1	
52	VMX0967	CUT WASHER	2	
53	VMX2391	CUT WASHER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

SUB CHASSIS ASSEMBLY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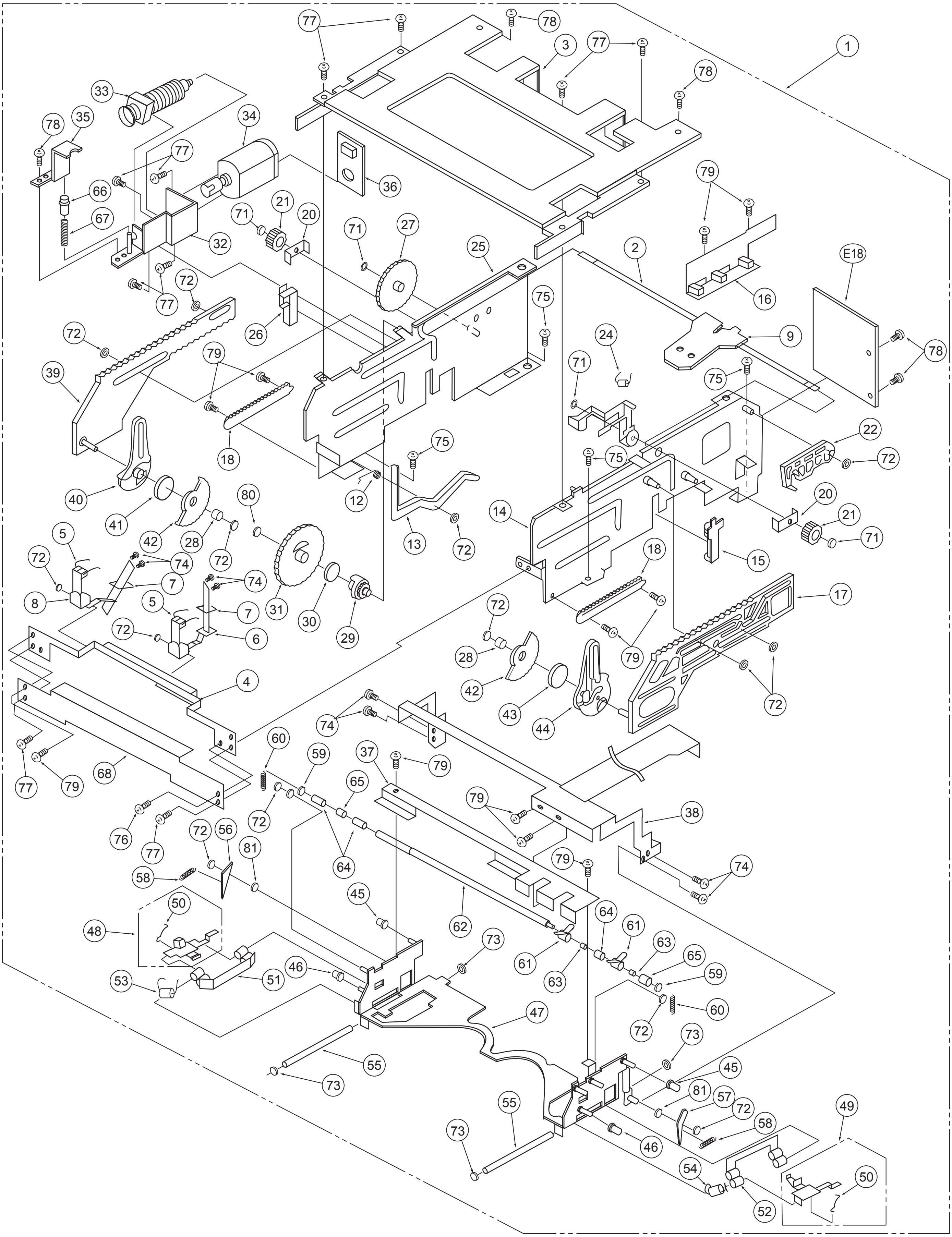
SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656	MIC DRIVE ARM (A) ASS' Y	1	
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM (B) ASS' Y	1	
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613	REEL DRIVE ARM ASS' Y	1	
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585	REEL DRIVE MOTOR ASS' Y	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698	REEL DRIVE WORM ASS' Y	1	
11	VXA5628	MOTOR BASE ASS' Y	1	
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726	REEL SENSOR P.C.BOARD	1	
14	VSJ0216	SOLENOID	3	(M)
15	VXA5575	S-BRAKE SOLENOID BASE ASS' Y	1	
16	VMB2957	S BRAKE SPRING	1	
17	VXA6199	DISTINCTION SW ASS' Y	1	(M)
18	VXA6651	T-BRAKE SOLENOID ASS' Y	1	
19	VXA5579C	M STOPPER SOLENOID ASS' Y	1	
20	VMD3908	SLIDE ROD STOPPER	1	
21	VEK7692	SENSOR HOLDER ASS' Y	2	
22	VMA0L40	SUB CHASSIS SUPPORT PLATE	1	
23	VMB2987	T BRAKE SPRING	1	
24	VMB2955	M STOPPER SPRING (1)	1	
25	VMB3439	RELEASE SPRING	4	
26	VEM0718	S REEL MOTOR	1	(M)
27	VEM0730	T-REEL MOTOR	1	(M)
28	VMS5923	REEL OUTER RAIL	2	
29	VMS5924	REEL INNER RAIL	2	
30	VHD0995	SCREW	8	
31	VXA6650	BRAKE RELEASE ASS' Y	1	
32	VXA6652	SLIDE ROD	1	
33	VXL2980	S-BASE DRIVE ARM	1	
34	VXL2981	T-BASE DRIVE ARM	1	
51	XQN2+CF4	SCREW	24	
52	XYN26+F5	SCREW	4	
53	XQN2+A1.5	SCREW	4	
54	XQN2+A2	SCREW	4	
55	VMX1079	CUT WASHER	7	
56	VMX0967	CUT WASHER	12	
E19	VEP82231A	MECHA I/F P.C.BOARD	1	

CASSETTE COMPARTMENT ASSEMBLY



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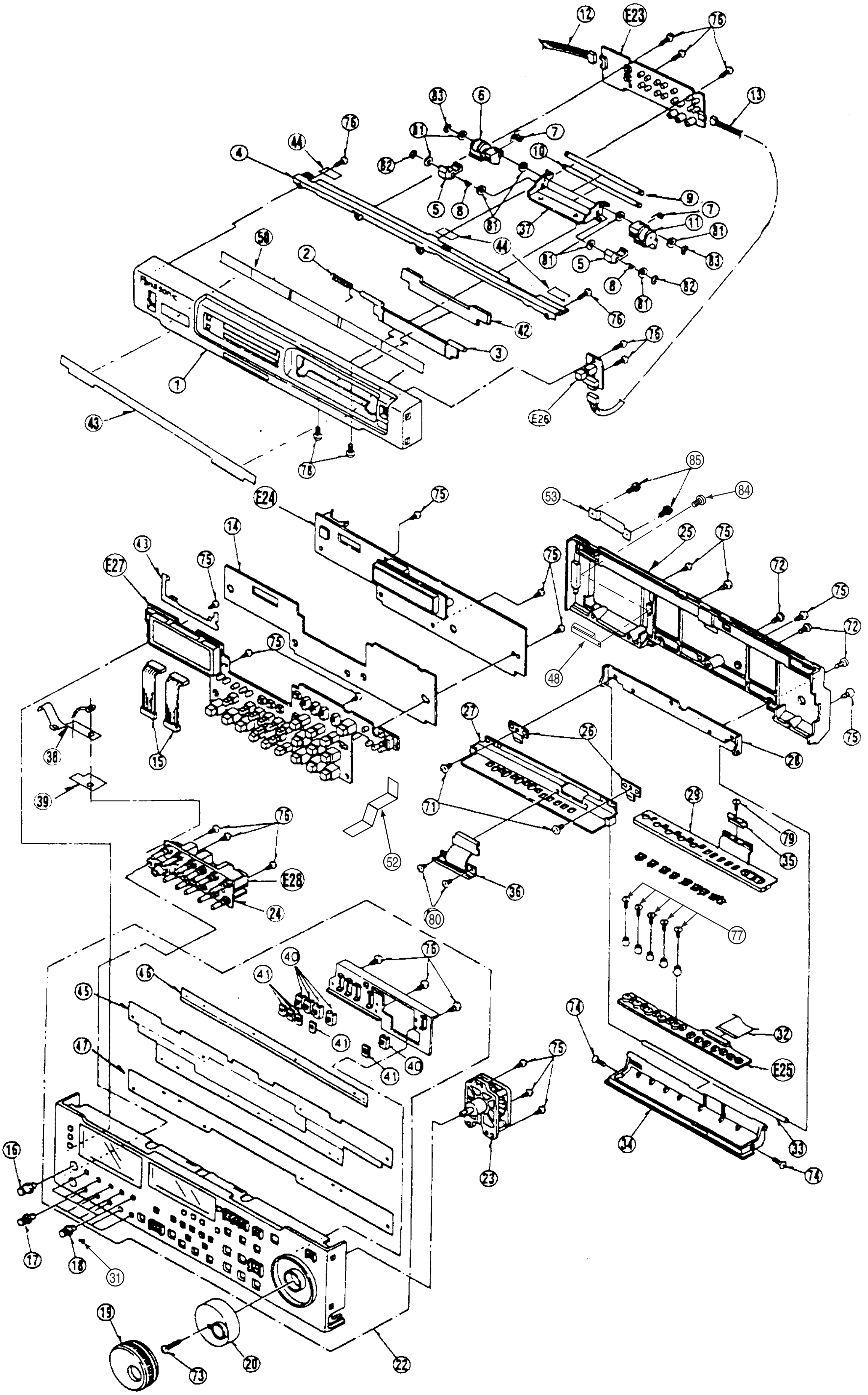
CASSETTE COMPARTMENT ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA6593	CASSETTE COMPARTMENT	1	(M)
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VXA6572	FRONT GUIDE 1 ASS' Y	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3397	CASSETTE PROTECT PLATE	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA6074	R SIDE PLATE 1 ASS' Y	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R ASS' Y	1	
18	VDG1156	WIPER RACK	2	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1412	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE ASS' Y	1	
24	VMB2979	SPRING	1	
25	VXA6072	SIDE PLATE L 1 ASS' Y	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1413	INTERAMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1414	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) ASS' Y	1	
33	VXP1797	E.E SLOT IN WORM ASS' Y	1	
34	VXA5597	MOTOR ASS' Y	1	(M)
35	VMA9673	EMARGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE ASS' Y	1	
39	VXA6075	MAIN RACK (L) ASS' Y	1	
40	VML3485	WIPER ARM (R)	1	
41	VMB3391	WIPER ARM (L)	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3390	WIPER SPRING (L)	1	
44	VML3484	WIPER SPRING (R)	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 ASS' Y	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2833	M-L DETECT ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECT SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	2	
66	VDG1246	EMARGENCY GEAR	1	
67	VMB3109	EMARGENCY SPRING	1	
68	VMZ2661	FRONT GUIDE COVER	1	
71	VMX0653	CUT WASHER	4	
72	VMX0967	CUT WASHER	14	
73	VMX1061	WASHER	4	
74	XQN16+A2	SCREW	4	
75	XQN2+CF3	SCREW	4	
76	XQN2+A2	SCREW	1	
77	XYN2+C4	SCREW	10	
78	XQN2+A3	SCREW	5	
79	LMHD16064	SCREW	11	
80	XWGV2Y4G	WASHER	1	
81	XWGV2Z5G	WASHER	2	
E18	VEP80856A	CARRIGE P.C.BOARD	1	

FRONT PANEL ASSEMBLY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FRONT PANEL ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP7797	UPPER FRONT PANEL 1 ASS' Y	1	
2	VMB3417	BLINDER SPRING	1	
3	VKF3434	BLINDER PANEL	1	
4	VMP6235	UPPER FRONT PANEL ANGLE	1	
5	VDK0151	CASSETTE GUIDE CAM (L)	2	
6	VGQ4009	CASSETTE GUIDE (L)	1	
7	VMB3564	CASSETTE GUIDE SPRING	2	
8	VMB3565	CAM SPRING	2	
9	VMS5864	CASSETTE COVER	1	
10	VMS6017	GUIDE CAM SHAFT	1	
11	VGQ4010	CASSETTE GUIDE (R)	1	
12	VEE0K25	UP FRONT CONNECTION CABLE	1	
13	VEE0K26	UP FRONT CONNECTION CABLE	1	
14	VMZ3024	INSULATION SHEET	1	
15	VEE0K29	FRONT SW CABLE	2	
16	VGU5334	LEVER VR KNOB	1	
17	VXU0768	VR KNOB ASS' Y	5	
18	VXU1160	REC VR KNOB ASS' Y	5	
19	VGU5780	SEARCH DIAL COVER	1	
20	VGU8126	SEARCH DIAL KNOB	1	
22	VYP7575	LOWER FRONT PANEL 1 ASS' Y	1	
23	VSP1118	SEARCH DIAL	1	
24	VMP6000	VR ANGLE	1	
25	VKU0568	BACK COVER	1	
26	VMB2978	LEAF SPRING	2	
27	VGM1691	SUB CONTROL SUPPORT ANGLE	1	
28	VGM1287	SUB CONTROL ANGLE	1	
29	VGM1683	SUB SWITCH ANGLE	1	
31	VGU6277	VR KNOB	5	included VXU1160
32	VWJ28C2120L0	FR CPU SUB FFC	1	
33	VMS6012	SHAFT	1	
34	VKF2497	SUB SW DOOR	1	
35	VMC1241	EARTH PLATE	1	
36	VMP5091	EARTH PLATE SUB	1	
37	VMP4863	CASSETTE GUIDE ANGLE	1	
38	VMC1277	HEAD PHONE EARTH SPRING	1	
39	VMZ2671	SPACER	1	
40	VGU5287	SLIDE KNOB	5	
41	VGF0659	SLIDE KNOB SHEET	5	
42	VGF0836	PANEL SHEET	1	
44	VMT0847	GASKET	3	
45	VSC5306	PANEL EARTH PLATE	1	
46	VMP5262	SHEET ANGLE	1	
47	VMC1317	EARTH ANGLE B	1	
48	VMP5261	CABLE ANGLE	1	
50	VMC1642	GND ANGLE	1	
51	VMP5259	FIX PLATE	1	
52	VMC1756	EARTH CABLE	1	
53	VMP5260	CABLE ANGLE	1	
71	XSB3+6FZ	SCREW	2	
72	XSB3+8FZ	SCREW	3	
73	XSN2+8	SCREW	1	
74	XSS26+6FZ	SCREW	2	
75	XTN4+10G	SCREW	14	
76	XTV3+8G	SCREW	10	
77	XQN14+C4	SCREW	5	
78	XTV3+8F	SCREW	2	
79	XSN2+3	SCREW	1	
80	XSN26+3	SCREW	2	
81	VMX2562	WASHER	8	
82	XUC2FP	E-RING	2	
83	XUC25FP	E-RING	2	
84	XSB3+4	SCREW	1	
85	XTV3+6F	SCREW	2	
E22	VEP80B43A	UP FRONT 1 P.C.BOARD	1	
E23	VEP80B56A	UP FRONT 2 P.C.BOARD	1	
E24	VEP86297B	FRONT CPU P.C.BOARD	1	
E25	VEP86298A	FRONT CPU SUB P.C.BOARD	1	
E26	VEP80B44A	FRONT SW P.C.BOARD	1	
E27	VEP80963F	FRONT VR 1 P.C.BOARD	1	
E28	VEP80964E	FRONT VR 2 P.C.BOARD	1	
E29	VEP86307A	MEMORY CARD CONNECT P.C.B	1	

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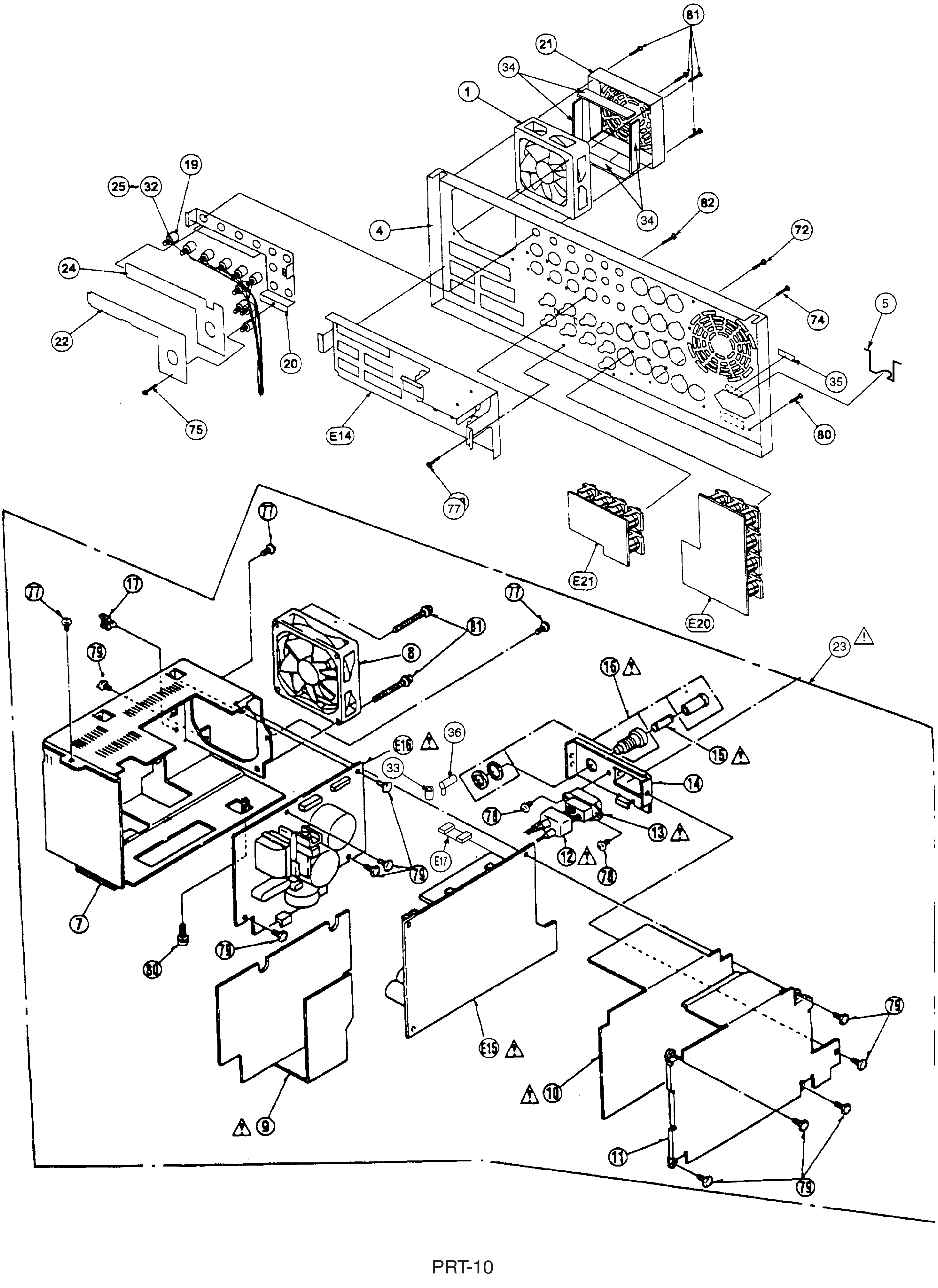
REAR PANEL ASSEMBLY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REAR PANEL ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VRF0208	FAN MOTOR	1	L6FALEFH0006 (M)
⚠ 4	VJH1208	JACK PANEL	1	
5	VML2903	AC CORD HOOK	1	
⚠ 7	VSC5112	POWER SUPPLY CASE A	1	
8	VRF0208	FAN MOTOR	1	L6FALEFH0006 (M)
⚠ 9	VMZ3013	SHIELD SHEET A	1	
⚠ 10	VMZ3014	SHIELD SHEET B	1	
⚠ 11	VSC5318	POWER SUPPLY CASE B	1	
⚠ 12	VMZ1252	AC INLET COVER	1	
⚠ 13	VJP0083	AC INLET	1	
14	VMP4889	AC INLET BRACKET	1	
⚠ 15	XBA2C40TH15	FUSE	1	K5D402BN0001
⚠ 16	VJF1005	FUSE HOLDER	1	K3GA1BJ00013
17	VJF0285	WIRE LOCKING SADDLE	1	
19	VJS4132	CONNECTOR (FEMALE)	10	K1SMBDBA0001
20	VMP6288	CABLE HOLDER BASE	1	
21	VGM1747	FAN COVER	1	
22	VMP6256	CABLE HOLDER ANGLE	1	
23	VEK9375	POWER ASS' Y	1	
24	VMT1093	CABLE RUBBER	1	
25	VEE0E12790	SDI CABLE (BLACK)	1	
26	VEE0E15600	CABLE 9	1	K1TZA9A00004
27	VEE0E49600	SDI CABLE (YELLOW)	1	K1TZA9A00009
28	VEE0E14600	CABLE 8	1	K1TZA9A00006
29	VEE0E47680	SDI CABLE (BROWN)	1	
30	VEE0E46760	SDI CABLE (GRAY)	1	
31	VEE0E48620	SDI CABLE (BLUE)	1	
32	VEE0E13570	SDI CABLE (RED)	1	
⚠ 33	VLP0120	FERRITE CORE	1	
34	VMT1153	VIBROISOLATING RUBBER	4	
35	VMT0884	GASKET	1	
⚠ 36	VMZ2139	FUSE HOLDER COVER	1	
72	XSN26+6FZ	SCREW	1	
74	XTN26+6FFZ	SCREW	3	
75	XTV3+6F	SCREW	1	
77	XTV3+6FFR	SCREW	4	
78	XSB3+6FZ	SCREW	2	
79	XTW3+8LR	SCREW	10	
80	XYE4+EF8	SCREW	2	
81	XYNV4+K35FCS	SCREW	6	
82	XTN3+10JFZ	SCREW	1	
E14	VEP83478A	REAR JACK P.C.BOARD	1	
E15	VEP81200B	POWER 1 P.C.BOARD	1	
E16	VEP81201A	POWER 2 P.C.BOARD	1	
E17	VEP80A58A	POWER CONNECTION P.C.B	1	
E20	VEP84303B	AUDIO JACK P.C.BOARD	1	
E21	VEP84332A	AES/EBU P.C.BOARD	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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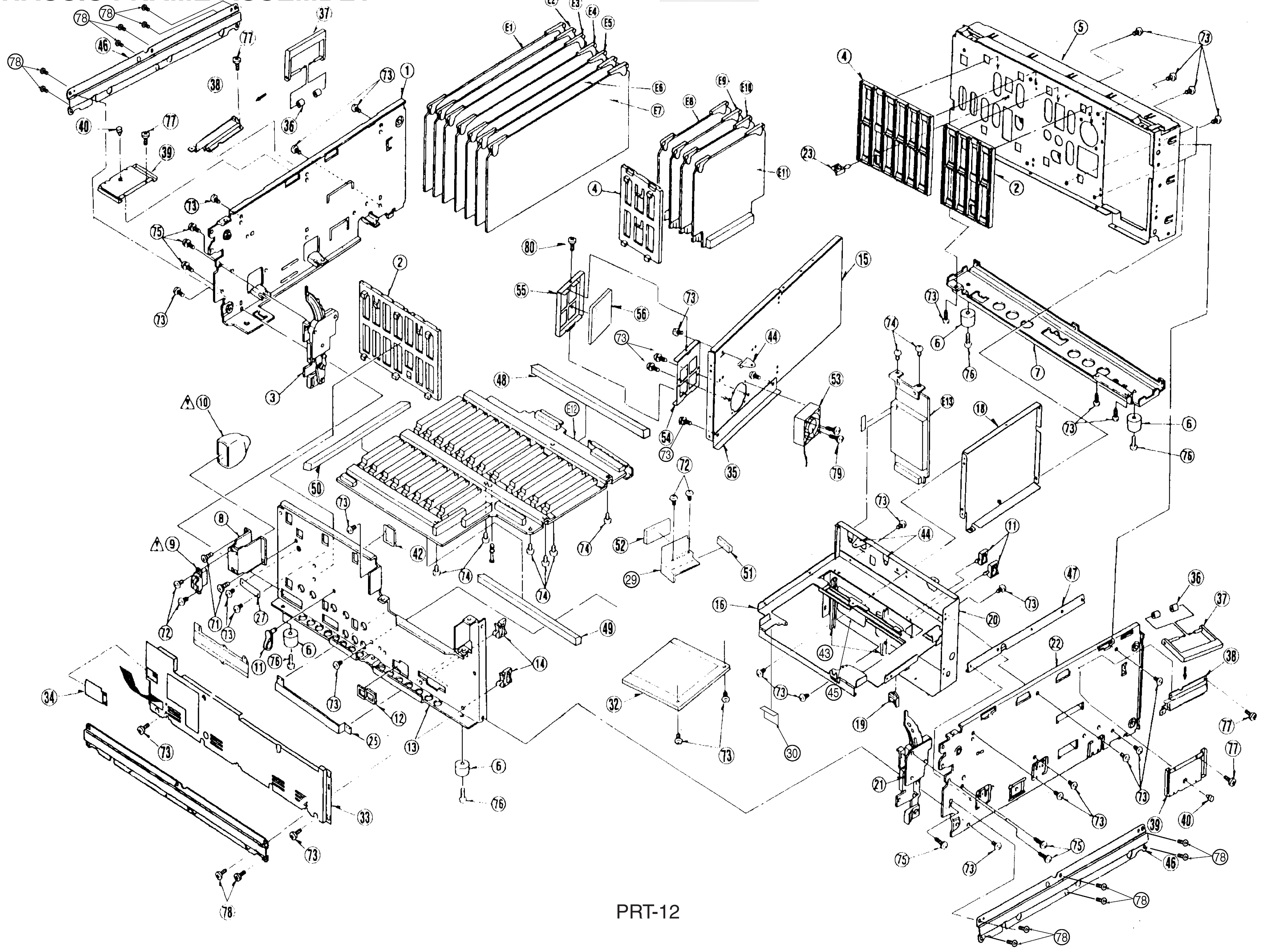
CHASSIS FRAME ASSEMBLY



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CHASSIS FRAME ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
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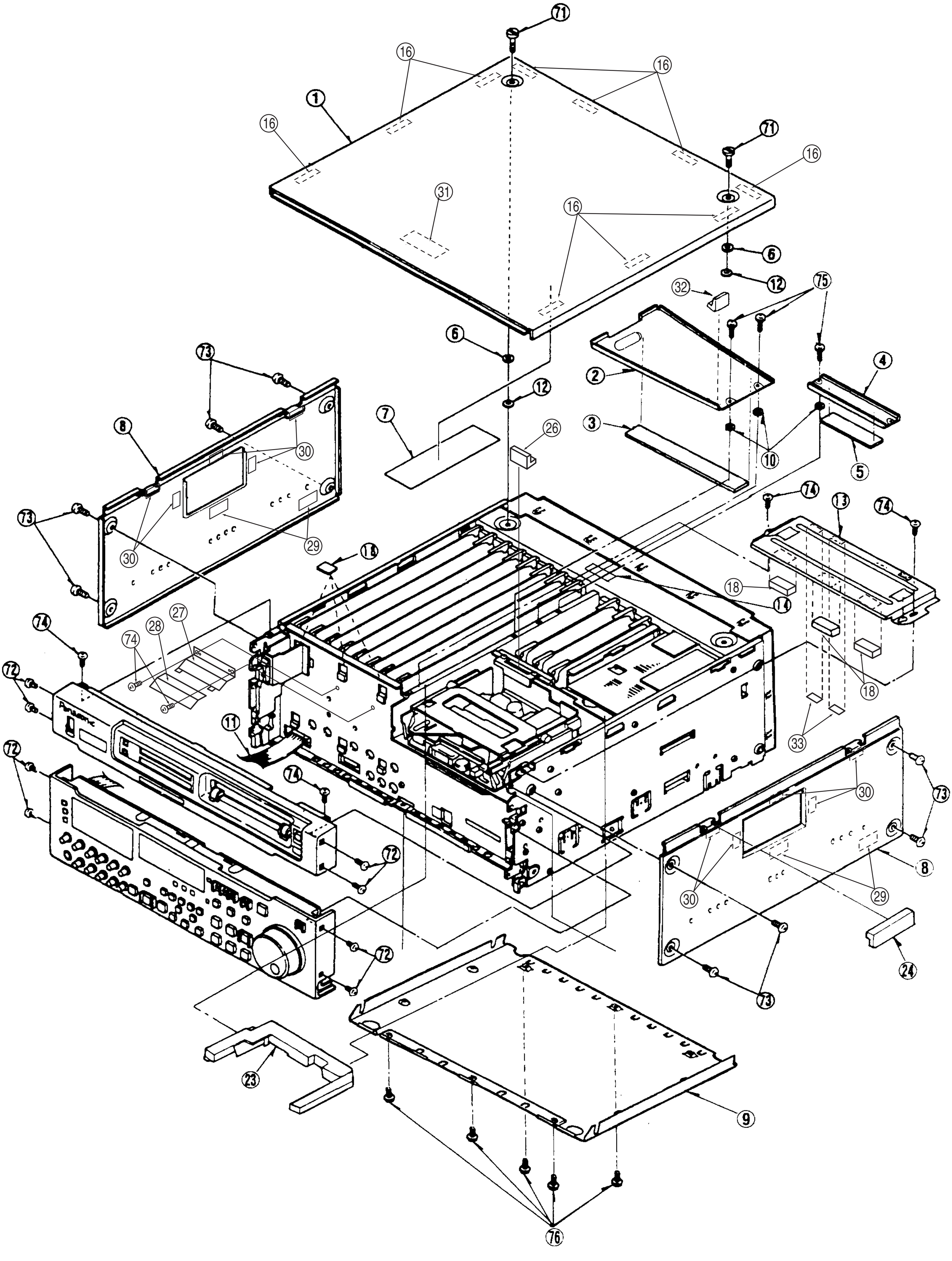
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP6237	LEFT SIDE FRAME	1	
2	VGQ5645	P.C.BOARD GUIDE RAIL 7	2	
3	VYQ1258	ROTARY BRACKET L	1	
4	VGQ5646	P.C.BOARD GUIDE RAIL 5	2	
5	VMP6243	REAR FRAME	1	
6	VKA0117	PLASTIC FOOT	4	
7	VMP6244	BOTTOM FRAME	1	
8	VMP4881	SW BRACKET	1	
⚠ 9	EST15367S	POWER SWITCH	1	
⚠ 10	VMZ0580	SW COVER	1	
11	VJF0285	WIRE LOCKING SADDLE	3	
12	VJF1259	EDGE HOLDER	1	
13	VMP6241	FRONT FRAME	1	
14	VJF0469	CABLE CLAMP	2	
15	VMP6239	CENTER FRAME	1	
16	VXA6668	MECHANISM FRAME ASS' Y	1	
18	VMP6240	CENTER SUB FRAME	1	
19	VGQ1543	EDGE GUARD	1	
20	VMP6242	MECHA REAR FRAME	1	
21	VYQ1259	ROTARY BRACKET R	1	
22	VMP6238	SIDE FRAME R	1	
23	VJF0384	CLAMPER	2	
25	VMP6126	FPC SHIELD COVER	1	
29	VMP6247	MECHA REAR SUB ANGLE	1	
30	VGF0840	DUST PROOF	1	
32	VXA6706	MECHA SHIELD PLATE	1	
33	VMP6261	FRONT SHIELD ANGLE	1	
34	VMP6405	ANGLE	1	
35	VMP6246	CENTER SUB ANGLE	1	
36	VMX2994	HANDLE SPACER	4	
37	VKH0215	HANDLE ARM	2	
38	VMP6314	HANDLE BASE	2	
39	VGM1716	AHNDLE COLLAR	2	
40	VMG1309	GUM BUTTON	2	
42	VMP6313	DUST PROOF	1	
43	VGQ1016	GUIDE RAIL	2	
44	VMP5285	BOTTOM FRAME ANGLE	3	
45	VMP6245	RAIL ANGLE	1	
46	VMP6248	RACK MOUNT	2	
47	VMP6249	MOTHER ANGLE	1	
48	VMT1097	CUSHION	2	
49	VMT1098	CUSHION	1	
50	VMT1104	CUSHION	1	
51	VMT1105	CUSHION	1	
52	VMT1106	CUSHION	1	
53	VRF0202	FAN MOTOR	1	L6FAHCBH0003
54	VMP6482	FILTER CASE	1	
55	VMP6483	FILTER CAP	1	
56	VGF0861	FILTER	1	
71	VHD5013	SCREW	2	
72	XTN3+6F	SCREW	4	
73	XTV3+6F	SCREW	32	
74	XTV3+6FFR	SCREW	6	
75	XYN3+C6	SCREW	6	
76	XYNV3+K12S	SCREW	6	
77	XSB3+8FZ	SCREW	4	
78	XTV4+6F	SCREW	12	
79	XSN3+16FZ	SCREW	2	
80	XYN3+K6	SCREW	1	
E1	VEP84333A	F1 A ADDA P.C.BOARD	1	
E2	VEP84334C	A PROC P.C.BOARD	1	
E3	VEP83464B	REC PB P.C.BOARD	1	
E4	VEP83465B	V PROC P.C.BOARD	1	
E5	VEP83466B	SDI P.C.BOARD	1	
E6	VEP86296C	SYSCON P.C.BOARD	1	
E7	VEP82225B	SERVO P.C.BOARD	1	
E8	VEP83467B	CMPST OUT P.C.BOARD	1	
E9	VEP84347A	H3 CUE P.C.BOARD	1	
E10	VEP85181B	RF EQ 100 P.C.BOARD	1	
E11	VEP85180A	HEAD BUFF 100 P.C.BOARD	1	
E12	VEP89134A	MOTHER P.C.BOARD	1	
E13	VEP80991A	AC HEAD I/F P.C.BOARD	1	

CASING PARTS ASSEMBLY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CASING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VGM1680	TOP PANEL	1	
2	VMP6232	P.C.BOARD PLATE L	1	
3	VMT1095	P.C.B. RUBBER CUSHION (B)	2	
4	VMP6233	P.C.BOARD PLATE S	1	
5	VMT1096	P.C.BOARD RUBBER CUSHION S	1	
6	VMX2510	SPACER	2	
7	VMZ2325	TOP PANEL BARRIER	1	
8	VGM1681	SIDE PANEL	2	
9	VKU0562	BOTTOM PLATE	1	
10	VMX1558	NYLON WASHER	3	
11	VEE9971	FRONT CABLE	1	
12	VMX2582	WASHER	2	
13	VMP6234	CARRIAGE SUPPORT ANGLE	1	
14	VMT0884	GASKET	1	
16	VMT0800	GASKET	10	
18	VMT0797	GASKET C	6	
23	VXA6708	DUST PROOF ASS' Y (F)	1	
24	VGF0816	INSULATION SHEET	1	
26	VMT0823	DUST PROOF CUSHION (C)	1	
27	VMC1756	FRAME EARVH ANGLE	1	
28	VMZ3217	INSULATION SHEET	1	
29	VMT0779	GASKET	4	
30	VMT0873	GASKET	10	
31	VMT0802	GASKET	1	
32	VMT0610	GASKET	1	
33	VMT0776	GASKET	2	
71	VHD0274	SCREW	2	
72	XSB3+8FZ	SCREW	8	
73	XSB4+8FC	SCREW	8	
74	XTV3+6F	SCREW	6	
75	XYN3+K8	SCREW	3	
76	XYE3+EF6	SCREW	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

PACKING PARTS ASSEMBLY

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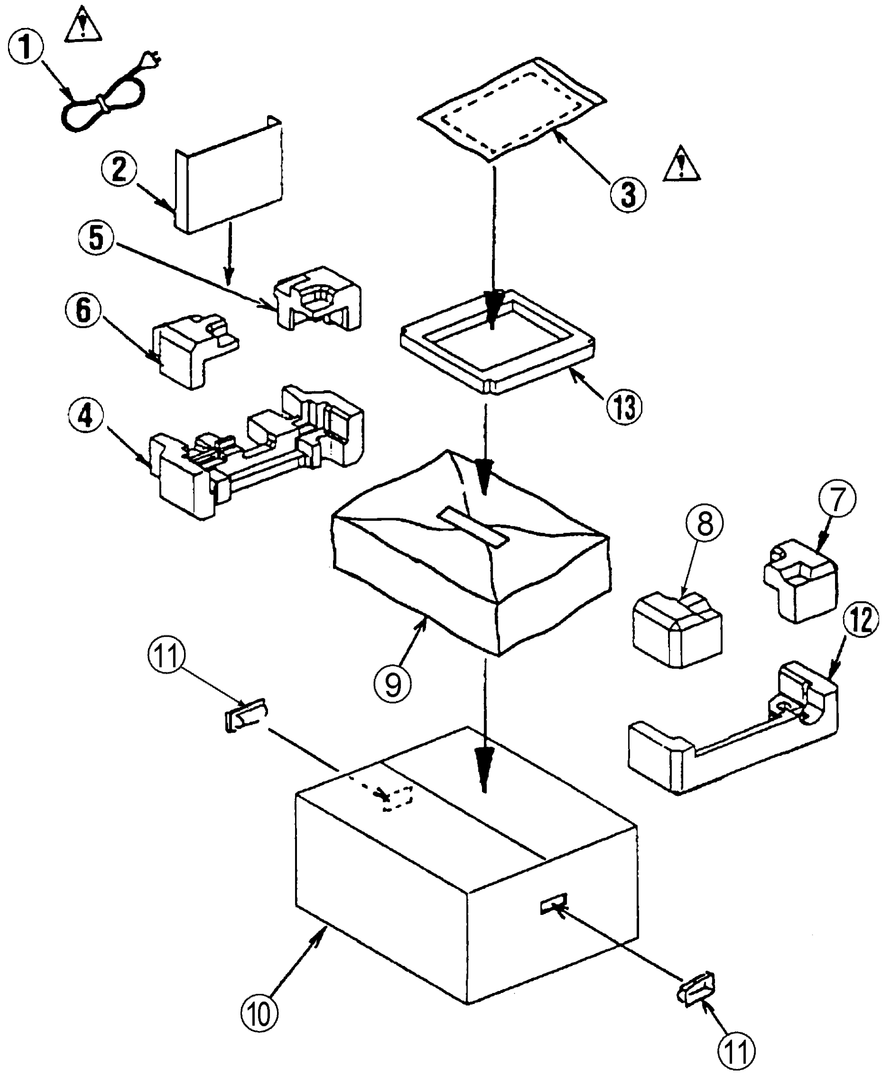

PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VJA1147	POWER CODE	1	
2	VPN5411	ACCESSORY PAD	1	
⚠ 3	VQT9396	OPERATING INSTRUCTIONS	1	
4	VPN5409	CUSHION (BUL)	1	
5	VPN5331	CUSHION (BUR)	1	
6	VPN5332	CUSHION (BL)	1	
7	VPN5333	CUSHION (FUR)	1	
8	VPN5334	CUSHION (FUL)	1	
9	VPF0673	POLYETHYLENE BAG	1	
10	VPG0L38	PACKING CASE	1	
11	VPF0149	HANDLE COVER	2	
12	VPN5410	CUSHION (FL)	1	
13	VPN5394	O/I CUSHION	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84333A	F1 A ADDA P.C.BOARD	1	(RTL)
■ E2	VEP84334C	F2 A PROC P.C.BOARD	1	(RTL)
■	VEP84360A	A JOG P.C.BOARD	1	(RTL)FOR VEP84334C
■ E3	VEP83464B	F3 REC PB P.C.BOARD	1	(RTL)
■ E4	VEP83465B	F4 V PROC P.C.BOARD	1	(RTL)
■ E5	VEP83466B	F5 SDI P.C.BOARD	1	(RTL)
■	VEP83459B	HD SDI RX P.C.BOARD	1	(RTL)FOR VEP83466B
■	VEP83460B	HD SDI TX P.C.BOARD	1	(RTL)FOR VEP83466B
■ E6	VEP86296C	F6 SYSCON P.C.BOARD	1	(RTL)
■ E7	VEP82225B	F7 SERVO P.C.BOARD	1	(RTL)
■	VEP81216A	DCDC SUB P.C.BOARD	1	(RTL)FOR VEP82225B
■ E8	VEP83467B	H1 CMPST OUT P.C.BOARD	1	(RTL)
■ E9	VEP84347A	H3 CUE P.C.BOARD	1	(RTL)
■ E10	VEP85181B	H4,5 RF EQ 100 P.C.BOARD	1	(RTL)
■	VEP85199A	RF EQ SUBH P.C.BOARD	1	(RTL)FOR VEP85181B
■ E11	VEP85180A	H BUFF 100 P.C.BOARD	1	(RTL)
■ E12	VEP89134A	MOTHER P.C.BOARD	1	(RTL)
■ E13	VEP80991A	A/C HEAD I/F P.C.BOARD	1	(RTL)
■ E14	VEP83478A	REAR JACK P.C.BOARD	1	(RTL)
■ E15	VEP81200B	POWER 1 P.C.BOARD	1	(RTL)
■ E16	VEP81201A	POWER 2 P.C.BOARD	1	(RTL)
■	VEP81202A	POWER PACK P.C.BOARD	1	(RTL)FOR VEP81201A
■ E17	VEP80A58A	POWER CONNECTION P.C.B.	1	(RTL)
■ E18	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
■ E19	VEP82231A	MECHA I/F P.C.BOARD	1	(RTL)
■ E20	VEP84303B	A JACK P.C.BOARD	1	(RTL)
■ E21	VEP84332A	AES/EBU JACK P.C.BOARD	1	(RTL)
■ E22	VEP80B43A	UP FRONT 1 P.C.BOARD	1	(RTL)
■ E23	VEP80B56A	UP FRONT 2 P.C.BOARD	1	(RTL)
■ E24	VEP86297B	FRONT CPU P.C.BOARD	1	(RTL)
■ E25	VEP86298A	FRONT CPU SUB P.C.BOARD	1	(RTL)
■ E26	VEP80B44A	FRONT SW P.C.BOARD	1	(RTL)
■ E27	VEP80963F	FRONT VR1 P.C.BOARD	1	(RTL)
■ E28	VEP80964E	FRONT VR2 P.C.BOARD	1	(RTL)
■ E29	VEP86307A	MEM CARD CNCT P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84333A	F1 A ADDA P.C.BOARD	1	(RTL)
C4001,02	ECA1HHG330	E.CAPACITOR 50V 33U	2	
C4003,04	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C4005	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C4006	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4008	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4011,12	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4013	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4014	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C4015	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	1	
C4016	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4017	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4018	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4019	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4020	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4021	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4022	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4024	ECUM1H222JN	C.CAPACITOR CH 50V 2200P	1	
C4026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4028,29	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4030	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4031	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4032	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4033-35	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C4036	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4037	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4038	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4039-44	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C4045,46	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4047,48	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4049,50	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4051-55	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	
C4056	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4057-68	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	12	
C4070	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4071,72	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4073	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4076,77	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C4091-94	EEVHB1C470	E.CAPACITOR 16V 47U	4	
C4095,96	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C4097,98	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C4101,02	ECA1HHG330	E.CAPACITOR 50V 33U	2	
C4103,04	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C4105	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C4106	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4108	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4111,12	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4113	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4114	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C4115	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	1	
C4116	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4117	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4118	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4119	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4120	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4121	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4122	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4124	ECUM1H222JN	C.CAPACITOR CH 50V 2200P	1	
C4141,42	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4147,48	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4149,50	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4171,72	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4201,02	ECA1HHG330	E.CAPACITOR 50V 33U	2	
C4203,04	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C4205	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C4206	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4208	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4211,12	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4213	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4214	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C4215	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	1	
C4216	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4217	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4218	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4219	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4220	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4221	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4222	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4224	ECUM1H222JN	C.CAPACITOR CH 50V 2200P	1	
C4226,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4228,29	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4230	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4231	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4232	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4233-36	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C4237	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4238	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4239-42	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C4243,44	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4271,72	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4281	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4301,02	ECA1HHG330	E.CAPACITOR 50V 33U	2	
C4303,04	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C4305	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C4306	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4308	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4311,12	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4313	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C4314	ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C4315	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	1	
C4316	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4317	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4318	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4319	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4320	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4321	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4322	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4324	ECUM1H222JN	C.CAPACITOR CH 50V 2200P	1	
C4339-42	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C4343,44	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4371,72	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4381	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4401	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4402	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4403	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4404-06	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C4407	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4408,09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4410	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4411	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4412-14	EEVHB1C100	E.CAPACITOR 16V 10U	3	
C4415,16	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C4417,18	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	2	
C4419,20	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	2	
C4421,22	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4424	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4425	ECHU1C473JB	P.CAPACITOR 16V 0.047U	1	
C4426	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4427-29	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C4430	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C4431	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4432	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4433-36	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4437,38	ECA1CHG471	C.CAPACITOR 16V 470U	2	
C4439,40	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4441,42	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4443,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4445,46	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4447,48	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4449-54	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C4455,56	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4457,58	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4459,60	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4461,62	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4476	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4515,16	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C4517,18	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	2	
C4519,20	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	2	
C4521,22	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4524	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4525	ECHU1C473JB	P.CAPACITOR 16V 0.047U	1	
C4526	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4527-29	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C4530	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C4531	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4532	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4533-36	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4537,38	ECA1CHG471	C.CAPACITOR 16V 470U	2	
C4539,40	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4541,42	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4543,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4545,46	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4561,62	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4576	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4601	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4602	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4603	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4604-06	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C4607	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4608,09	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4610	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4611	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4612-14	EEVHB1C100	E.CAPACITOR 16V 10U	3	
C4615,16	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C4617,18	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	2	
C4619,20	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	2	
C4621,22	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4624	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4625	ECHU1C473JB	P.CAPACITOR 16V 0.047U	1	
C4626	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4627-29	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C4630	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C4631	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4632	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4633-36	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4637,38	ECA1CHG471	C.CAPACITOR 16V 470U	2	
C4639,40	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4641,42	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4643,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4645,46	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4647,48	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4649-52	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C4653,54	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4661,62	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4676	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4715,16	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C4717,18	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	2	
C4719,20	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	2	
C4721,22	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4724	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4725	ECHU1C473JB	P.CAPACITOR 16V 0.047U	1	
C4726	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4727-29	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C4730	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C4731	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4732	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4733-36	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4737,38	ECA1CHG471	C.CAPACITOR 16V 470U	2	
C4739,40	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4741,42	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4743,44	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4745,46	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4761,62	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4776	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4801	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4802	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4803	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4804	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4805,06	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4807	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4808	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4809	EEVHB1C100	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4810,11	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4812-14	EEVHB1C100	E.CAPACITOR 16V 10U	3	
C4815,16	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C4817,18	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	2	
C4819,20	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	2	
C4821,22	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4824	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4825	ECHU1C473JB	P.CAPACITOR 16V 0.047U	1	
C4826	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C4829	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4830	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4831	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4832	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4834,35	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4836	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C4837	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4838,39	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4840-43	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4844	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4845	ECA1CHG471	C.CAPACITOR 16V 470U	1	
C4846	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4847,48	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4849	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4850	ECA1CHG471	C.CAPACITOR 16V 470U	1	
C4851	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4852,53	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4854	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4855	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4857,58	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4859-66	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	8	
C4867-70	EEVHB1C470	E.CAPACITOR 16V 47U	4	
C4871	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4872	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4873	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4874	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4875	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4881,82	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4891,92	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4915,16	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C4917,18	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	2	
C4919,20	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	2	
C4921,22	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
C4924	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C4925	ECHU1C473JB	P.CAPACITOR 16V 0.047U	1	
C4926	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C4929	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4930	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4931	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4932	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4934,35	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4936	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C4937	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4938,39	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4940-43	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C4944	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4945	ECA1CHG471	C.CAPACITOR 16V 470U	1	
C4946	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4947,48	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4949	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4950	ECA1CHG471	C.CAPACITOR 16V 470U	1	
C4951	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4952,53	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4972	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4974	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4975	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4981,82	ECUX1H102JCN	C.CAPACITOR CH 50V 1000P	2	
D4001-03	MA157	DIODE	3	
D4011-20	MA716	DIODE	10	
D4101,02	MA157	DIODE	2	
D4201,02	MA157	DIODE	2	
D4301,02	MA157	DIODE	2	
D4401,02	MA157	DIODE	2	
D4501,02	MA157	DIODE	2	
D4601,02	MA157	DIODE	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D4701,02	MA157	DIODE	2	
D4801-03	MA157	DIODE	3	
D4804,05	MA152WK	DIODE	2	
D4901,02	MA157	DIODE	2	
IC4001	NJM2043MD	IC	1	C0ABBB000029
IC4002	MC74HC4052F	IC	1	C0JBAR000051
IC4003	NJM4580ED	IC	1	C0ABBB000123
IC4004	AD7945BR	IC	1	
IC4005	NJM4580ED	IC	1	C0ABBB000123
IC4006	MC74HC4052F	IC	1	C0JBAR000051
IC4007,08	NJM4580ED	IC	2	C0ABBB000123
IC4009	NJM2043MD	IC	1	C0ABBB000029
IC4010	NJM78L05UA	IC	1	C0CBADC00010
IC4011	AK5393VS	IC	1	C0FBAK000001
IC4015	TLCX245FT	IC	1	
IC4016	SN74S1053NS	IC	1	
IC4017-19	TVHC244FT	IC	3	
IC4020,21	TLCX245FT	IC	2	
IC4024-29	TVHT244FT	IC	6	
IC4030	EPF10K30A143	IC	1	C3ZBB0000007
IC4031	TVHC244FT	IC	1	
IC4033	S80726ANDP	IC	1	
IC4101	NJM2043MD	IC	1	C0ABBB000029
IC4102	MC74HC4052F	IC	1	C0JBAR000051
IC4103	NJM4580ED	IC	1	C0ABBB000123
IC4104	AD7945BR	IC	1	
IC4105	NJM4580ED	IC	1	C0ABBB000123
IC4106	MC74HC4052F	IC	1	C0JBAR000051
IC4107,08	NJM4580ED	IC	2	C0ABBB000123
IC4109	NJM2043MD	IC	1	C0ABBB000029
IC4111	NJM78L09UA	IC	1	C0CBAHC00002
IC4112	NJM79L09UA	IC	1	C0CABBF00001
IC4113	NJM78L05UA	IC	1	C0CBADC00010
IC4114	NJM79L05UA	IC	1	C0CBBDC00001
IC4115	NJM78L09UA	IC	1	C0CBAHC00002
IC4116	NJM79L09UA	IC	1	C0CABBF00001
IC4201	NJM2043MD	IC	1	C0ABBB000029
IC4202	MC74HC4052F	IC	1	C0JBAR000051
IC4203	NJM4580ED	IC	1	C0ABBB000123
IC4204	AD7945BR	IC	1	
IC4205	NJM4580ED	IC	1	C0ABBB000123
IC4206	MC74HC4052F	IC	1	C0JBAR000051
IC4207,08	NJM4580ED	IC	2	C0ABBB000123
IC4209	NJM2043MD	IC	1	C0ABBB000029
IC4210	NJM78L05UA	IC	1	C0CBADC00010
IC4211	AK5393VS	IC	1	C0FBAK000001
IC4301	NJM2043MD	IC	1	C0ABBB000029
IC4302	MC74HC4052F	IC	1	C0JBAR000051
IC4303	NJM4580ED	IC	1	C0ABBB000123
IC4304	AD7945BR	IC	1	
IC4305	NJM4580ED	IC	1	C0ABBB000123
IC4306	MC74HC4052F	IC	1	C0JBAR000051
IC4307,08	NJM4580ED	IC	2	C0ABBB000123
IC4309	NJM2043MD	IC	1	C0ABBB000029
IC4311	NJM78L09UA	IC	1	C0CBAHC00002
IC4312	NJM79L09UA	IC	1	C0CABBF00001
IC4313	NJM78L09UA	IC	1	C0CBAHC00002
IC4314	NJM79L09UA	IC	1	C0CABBF00001
IC4401	NJM78L05UA	IC	1	C0CBADC00010
IC4402	TVHC157FT	IC	1	
IC4403	AK4393VF	IC	1	C0FBBK000013
IC4404	NJM2043MD	IC	1	C0ABBB000029
IC4405	NJM4580ED	IC	1	C0ABBB000123
IC4406	MC74HC4052F	IC	1	C0JBAR000051
IC4407	NJM4580ED	IC	1	C0ABBB000123
IC4408	MC74HC4052F	IC	1	C0JBAR000051
IC4409	NJM4580ED	IC	1	C0ABBB000123
IC4410	NJM2043MD	IC	1	C0ABBB000029
IC4411,12	AQV212SX	IC	2	
IC4413	NJM78L09UA	IC	1	C0CBAHC00002
IC4414	NJM79L09UA	IC	1	C0CABBF00001
IC4415	NJM78L05UA	IC	1	C0CBADC00010
IC4416	NJM79L05UA	IC	1	C0CBBDC00001
IC4504	NJM2043MD	IC	1	C0ABBB000029

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4505	NJM4580ED	IC	1	C0ABBB000123
IC4506	MC74HC4052F	IC	1	C0JBAR000051
IC4507	NJM4580ED	IC	1	C0ABBB000123
IC4508	MC74HC4052F	IC	1	C0JBAR000051
IC4509	NJM4580ED	IC	1	C0ABBB000123
IC4510	NJM2043MD	IC	1	C0ABBB000029
IC4511,12	AQV212SX	IC	2	
IC4601	NJM78L05UA	IC	1	C0CBADC00010
IC4602	TVHC157FT	IC	1	
IC4603	AK4393VF	IC	1	C0FBBK000013
IC4604	NJM2043MD	IC	1	C0ABBB000029
IC4605	NJM4580ED	IC	1	C0ABBB000123
IC4606	MC74HC4052F	IC	1	C0JBAR000051
IC4607	NJM4580ED	IC	1	C0ABBB000123
IC4608	MC74HC4052F	IC	1	C0JBAR000051
IC4609	NJM4580ED	IC	1	C0ABBB000123
IC4610	NJM2043MD	IC	1	C0ABBB000029
IC4611,12	AQV212SX	IC	2	
IC4613	NJM78L09UA	IC	1	C0CBAHC00002
IC4614	NJM79L09UA	IC	1	C0CABBF00001
IC4704	NJM2043MD	IC	1	C0ABBB000029
IC4705	NJM4580ED	IC	1	C0ABBB000123
IC4706	MC74HC4052F	IC	1	C0JBAR000051
IC4707	NJM4580ED	IC	1	C0ABBB000123
IC4708	MC74HC4052F	IC	1	C0JBAR000051
IC4709	NJM4580ED	IC	1	C0ABBB000123
IC4710	NJM2043MD	IC	1	C0ABBB000029
IC4711,12	AQV212SX	IC	2	
IC4801	NJM78L05UA	IC	1	C0CBADC00010
IC4802	AK4393VF	IC	1	C0FBBK000013
IC4803	NJM2043MD	IC	1	C0ABBB000029
IC4804	NJM4580ED	IC	1	C0ABBB000123
IC4805	MC74HC4052F	IC	1	C0JBAR000051
IC4806	AD7945BR	IC	1	
IC4807,08	NJM4580ED	IC	2	C0ABBB000123
IC4809	M5203FP	IC	1	C0ABBB000166
IC4810	MC74HC4052F	IC	1	C0JBAR000051
IC4811	NJM4580ED	IC	1	C0ABBB000123
IC4812	NJM2043MD	IC	1	C0ABBB000029
IC4813,14	AQV212SX	IC	2	
IC4815,16	NJM78L09UA	IC	2	C0CBAHC00002
IC4817,18	NJM79L09UA	IC	2	C0CABBF00001
IC4819	NJM4556AM	IC	1	C0ABBB000042
IC4903	NJM2043MD	IC	1	C0ABBB000029
IC4904	NJM4580ED	IC	1	C0ABBB000123
IC4905	MC74HC4052F	IC	1	C0JBAR000051
IC4906	AD7945BR	IC	1	
IC4907,08	NJM4580ED	IC	2	C0ABBB000123
IC4909	M5203FP	IC	1	C0ABBB000166
IC4910	MC74HC4052F	IC	1	C0JBAR000051
IC4911	NJM4580ED	IC	1	C0ABBB000123
IC4912	NJM2043MD	IC	1	C0ABBB000029
IC4913,14	AQV212SX	IC	2	
ID4001	VVVSI3343A	SOFTWARE	1	
IP4032	EPC2TC32	IC	1	
L4001	VLQ0576	COIL	1	
L4095,96	VLF1151A132	COIL	2	
L4201	VLQ0576	COIL	1	
P1,P2	K1KAE8B00001	CONNECTOR (MALE)	2	
P4001	VJP3125B008	CONNECTOR (MALE)	1	
Q4401	2SD1328	TRANSISTOR	1	
Q4402	2SD1994A-R	TRANSISTOR	1	
Q4403	2SB1322A-R	TRANSISTOR	1	
Q4404	2SD1994A-R	TRANSISTOR	1	
Q4405	2SB1322A-R	TRANSISTOR	1	
Q4406	2SB710A-R	TRANSISTOR	1	
Q4407	2SD602A-R	TRANSISTOR	1	
Q4501	2SD1328	TRANSISTOR	1	
Q4502	2SD1994A-R	TRANSISTOR	1	
Q4503	2SB1322A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4504	2SD1994A-R	TRANSISTOR	1	
Q4505	2SB1322A-R	TRANSISTOR	1	
Q4506	2SB710A-R	TRANSISTOR	1	
Q4507	2SD602A-R	TRANSISTOR	1	
Q4601	2SD1328	TRANSISTOR	1	
Q4602	2SD1994A-R	TRANSISTOR	1	
Q4603	2SB1322A-R	TRANSISTOR	1	
Q4604	2SD1994A-R	TRANSISTOR	1	
Q4605	2SB1322A-R	TRANSISTOR	1	
Q4606	2SB710A-R	TRANSISTOR	1	
Q4607	2SD602A-R	TRANSISTOR	1	
Q4701	2SD1328	TRANSISTOR	1	
Q4702	2SD1994A-R	TRANSISTOR	1	
Q4703	2SB1322A-R	TRANSISTOR	1	
Q4704	2SD1994A-R	TRANSISTOR	1	
Q4705	2SB1322A-R	TRANSISTOR	1	
Q4706	2SB710A-R	TRANSISTOR	1	
Q4707	2SD602A-R	TRANSISTOR	1	
Q4801	2SD1328	TRANSISTOR	1	
Q4802	2SD1994A-R	TRANSISTOR	1	
Q4803	2SB1322A-R	TRANSISTOR	1	
Q4804	2SD1994A-R	TRANSISTOR	1	
Q4805	2SB1322A-R	TRANSISTOR	1	
Q4806	2SB710A-R	TRANSISTOR	1	
Q4807	2SD602A-R	TRANSISTOR	1	
Q4808-11	2SB710A-R	TRANSISTOR	4	
Q4812,13	2SD1328	TRANSISTOR	2	
Q4901	2SD1328	TRANSISTOR	1	
Q4902	2SD1994A-R	TRANSISTOR	1	
Q4903	2SB1322A-R	TRANSISTOR	1	
Q4904	2SD1994A-R	TRANSISTOR	1	
Q4905	2SB1322A-R	TRANSISTOR	1	
Q4906	2SB710A-R	TRANSISTOR	1	
Q4907	2SD602A-R	TRANSISTOR	1	
Q4912,13	2SD1328	TRANSISTOR	2	
QR4281,82	UN2213	TRANSISTOR-RESISTOR	2	
QR4381,82	UN2213	TRANSISTOR-RESISTOR	2	
QR4401	UN2213	TRANSISTOR-RESISTOR	1	
QR4402	UN2113	TRANSISTOR-RESISTOR	1	
QR4501	UN2213	TRANSISTOR-RESISTOR	1	
QR4502	UN2113	TRANSISTOR-RESISTOR	1	
QR4601	UN2213	TRANSISTOR-RESISTOR	1	
QR4602	UN2113	TRANSISTOR-RESISTOR	1	
QR4701	UN2213	TRANSISTOR-RESISTOR	1	
QR4702	UN2113	TRANSISTOR-RESISTOR	1	
QR4801	UN2213	TRANSISTOR-RESISTOR	1	
QR4802	UN2113	TRANSISTOR-RESISTOR	1	
QR4803,04	UN2213	TRANSISTOR-RESISTOR	2	
QR4901	UN2213	TRANSISTOR-RESISTOR	1	
QR4902	UN2113	TRANSISTOR-RESISTOR	1	
R4001	ERJ12YJ621	M.RESISTOR CH 1/2W 620	1	
R4002	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R4003,04	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	2	
R4005,06	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	2	
R4007	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4008	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4009	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4010	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4011	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4012	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4014	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4015	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4017	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4018	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4019-22	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4023	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4024	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4025	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R4026	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4027	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4028	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4029	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4030	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4031	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4032	ERJ6RBD271	M.RESISTOR CH 1/10W 270	1	
R4033	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R4034	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4040,41	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4042-46	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	5	
R4047	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4048-50	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	3	
R4051	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4052	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4053	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4054,55	ERJ6RED510	M.RESISTOR CH 1/10W 51	2	
R4057,58	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4060,61	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4081,82	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4083-90	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	8	
R4091-93	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R4095-97	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
R4098	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4099	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4100	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4101	ERJ12YJ621	M.RESISTOR CH 1/2W 620	1	
R4102	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R4103,04	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	2	
R4105,06	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	2	
R4107	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4108	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4109	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4110	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4111	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4112	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4114	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4115	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4117	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4118	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4119-22	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4123	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4124	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4125	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R4126	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4127	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4128	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4129	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4130	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4131	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4132	ERJ6RBD271	M.RESISTOR CH 1/10W 270	1	
R4133	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R4134	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4140,41	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4142-46	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	5	
R4147	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4148-50	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	3	
R4151	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4152	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4153	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4154,55	ERJ6RED510	M.RESISTOR CH 1/10W 51	2	
R4158	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4160,61	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4181,82	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4184	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4185	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4187,88	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R4190-93	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	4	
R4194,95	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4200	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4201	ERJ12YJ621	M.RESISTOR CH 1/2W 620	1	
R4202	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R4203,04	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	2	
R4205,06	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	2	
R4207	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4208	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4209	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4210	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4211	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4212	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4214	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4215	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4217	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4218	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4219-22	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4223	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4224	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4225	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R4226	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4227	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4228	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4229	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4230	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4231	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4232	ERJ6RBD271	M.RESISTOR CH 1/10W 270	1	
R4233	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R4234	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4240,41	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4242-46	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	5	
R4247	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4248	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4249,50	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4251	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4252	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4253	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4254,55	ERJ6RED510	M.RESISTOR CH 1/10W 51	2	
R4257,58	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4260,61	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4273,74	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4281,82	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4283,84	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R4285,86	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4287	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4288	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4300	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4301	ERJ12YJ621	M.RESISTOR CH 1/2W 620	1	
R4302	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R4303,04	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	2	
R4305,06	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	2	
R4307	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4308	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4309	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4310	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4311	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4312	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4314	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4315	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4317	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4318	ERJ6RBD911	M.RESISTOR CH 1/10W 910	1	
R4319-22	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4323	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4324	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4325	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R4326	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4327	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4328	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4329	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4330	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4331	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4332	ERJ6RBD271	M.RESISTOR CH 1/10W 270	1	
R4333	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R4334	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4340,41	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4342-46	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	5	
R4347	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4348-50	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	3	
R4351	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4352	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4353	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4354,55	ERJ6RED510	M.RESISTOR CH 1/10W 51	2	
R4358	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4360,61	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4373,74	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4381,82	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4383,84	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4385,86	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4387	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4388	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4400	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4401,02	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4404	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4405	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4406	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4407	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4408,09	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R4410-17	ERJ6RBD471	M.RESISTOR CH 1/10W 470	8	
R4418	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4419	ERJ6RED680	M.RESISTOR CH 1/10W 68	1	
R4420	ERJ6RED390	M.RESISTOR CH 1/10W 39	1	
R4421	ERJ6RBD681	M.RESISTOR CH 1/10W 680	1	
R4422	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4423	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4424,25	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	2	
R4426	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4427	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R4428	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4429	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4430	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4431	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4432	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4433	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4434	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4435	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4436	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4437	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4438,39	ERJ6RBD221	M.RESISTOR CH 1/10W 220	2	
R4440	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	
R4441	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4442	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4443	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4444-47	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4448,49	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4450,51	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4452	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4453	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R4454	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4455	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4456,57	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4458	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4459,60	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4461-64	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R4465,66	ERJ14YJ220	M.RESISTOR CH 1/4W 22	2	
R4467,68	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4469,70	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4471,72	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4473	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4483,84	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4500	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4504	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4505	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4506	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4507	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4508,09	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R4510-17	ERJ6RBD471	M.RESISTOR CH 1/10W 470	8	
R4518	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4519	ERJ6RED680	M.RESISTOR CH 1/10W 68	1	
R4520	ERJ6RED390	M.RESISTOR CH 1/10W 39	1	
R4521	ERJ6RBD681	M.RESISTOR CH 1/10W 680	1	
R4522	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4523	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4524,25	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	2	
R4526	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4527	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R4528	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4529	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4530	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4531	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4532	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4533	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4534	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4535	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4536	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4537	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4538,39	ERJ6RBD221	M.RESISTOR CH 1/10W 220	2	
R4540	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	
R4541	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4542	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4543	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4544-47	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4548,49	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4550,51	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4552	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4553	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R4554	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4555	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4556,57	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4558	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4559,60	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4561-64	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R4565,66	ERJ14YJ220	M.RESISTOR CH 1/4W 22	2	
R4567,68	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4569,70	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4571,72	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4573	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4583,84	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4600	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4601,02	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4603	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4604	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4605	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4606	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4607	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4608,09	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R4610-17	ERJ6RBD471	M.RESISTOR CH 1/10W 470	8	
R4618	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4619	ERJ6RED680	M.RESISTOR CH 1/10W 68	1	
R4620	ERJ6RED390	M.RESISTOR CH 1/10W 39	1	
R4621	ERJ6RBD681	M.RESISTOR CH 1/10W 680	1	
R4622	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4623	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4624,25	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	2	
R4626	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4627	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R4628	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4629	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4630	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4631	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4632	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4633	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4634	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4635	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4636	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4637	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4638,39	ERJ6RBD221	M.RESISTOR CH 1/10W 220	2	
R4640	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	
R4641	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4642	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4643	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4644-47	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4648,49	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4650,51	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4652	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4653	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R4654	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4655	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4656,57	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4658	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4659,60	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4661-64	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R4665,66	ERJ14YJ220	M.RESISTOR CH 1/4W 22	2	
R4667,68	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4669,70	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4671,72	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4673	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4683,84	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4700	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4704	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4705	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4706	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4707	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4708,09	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R4710-17	ERJ6RBD471	M.RESISTOR CH 1/10W 470	8	
R4718	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4719	ERJ6RED680	M.RESISTOR CH 1/10W 68	1	
R4720	ERJ6RED390	M.RESISTOR CH 1/10W 39	1	
R4721	ERJ6RBD681	M.RESISTOR CH 1/10W 680	1	
R4722	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4723	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4724,25	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	2	
R4726	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4727	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R4728	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4729	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4730	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4731	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4732	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4733	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4734	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4735	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4736	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4737	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4738,39	ERJ6RBD221	M.RESISTOR CH 1/10W 220	2	
R4740	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	
R4741	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4742	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4743	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4744-47	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4748,49	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4750,51	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R4752	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4753	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R4754	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4755	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4756,57	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4758	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4759,60	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4761-64	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R4765,66	ERJ14YJ220	M.RESISTOR CH 1/4W 22	2	
R4767,68	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4769,70	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4771,72	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4773	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4775-80	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R4783,84	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4785-99	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	15	
R4800	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4801,02	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4803	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4804	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4805	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4806	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4807	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4808,09	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R4810-17	ERJ6RBD471	M.RESISTOR CH 1/10W 470	8	
R4818	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4819	ERJ6RED680	M.RESISTOR CH 1/10W 68	1	
R4820	ERJ6RED390	M.RESISTOR CH 1/10W 39	1	
R4821	ERJ6RBD681	M.RESISTOR CH 1/10W 680	1	
R4822	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4823	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4824,25	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	2	
R4826	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4827	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R4828	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4829	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4830	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4831	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4832	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4833	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4834	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4835	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4836	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4837	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4838	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4839	ERJ6RED220	M.RESISTOR CH 1/10W 22	1	
R4841	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4842	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4843,44	ERJ6RBD221	M.RESISTOR CH 1/10W 220	2	
R4845	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	
R4846	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4847	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4848	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4849-52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4853	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4854,55	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4856	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4857	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R4858	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4859,60	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R4861-64	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	4	
R4865	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4866-69	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R4870,71	ERJ14YJ220	M.RESISTOR CH 1/4W 22	2	
R4872,73	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4874,75	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4876,77	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4878	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4879	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4880	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R4881	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4882	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4883	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4884	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4885	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4886	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4887	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4888,89	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4890	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4891	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4892	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4893	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4894	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4895	ERJ14YJ151	M.RESISTOR CH 1/4W 150	1	
R4896	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4898	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4900	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4901	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4902	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4904	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4905	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4906	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4907	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4908,09	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R4910-17	ERJ6RBD471	M.RESISTOR CH 1/10W 470	8	
R4918	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4919	ERJ6RED680	M.RESISTOR CH 1/10W 68	1	
R4920	ERJ6RED390	M.RESISTOR CH 1/10W 39	1	
R4921	ERJ6RBD681	M.RESISTOR CH 1/10W 680	1	
R4922	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4923	ERJ6RBD331	M.RESISTOR CH 1/10W 330	1	
R4924,25	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	2	
R4926	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4927	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R4928	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4929	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4930	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R4931	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4932	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4933	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	1	
R4934	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4935	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4936	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4937	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4938	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4939	ERJ6RED220	M.RESISTOR CH 1/10W 22	1	
R4941	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4942	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4943,44	ERJ6RBD221	M.RESISTOR CH 1/10W 220	2	
R4945	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	
R4946	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4947	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4948	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4949-52	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	4	
R4953	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4954,55	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	2	
R4956	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4957	ERJ6RED150	M.RESISTOR CH 1/10W 15	1	
R4958	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4959,60	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R4961-64	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	4	
R4965	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4966-69	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R4970,71	ERJ14YJ220	M.RESISTOR CH 1/4W 22	2	
R4972,73	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4974,75	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4976,77	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4978	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4980	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4981	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4982	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4983	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4984	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4985	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4986	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4987	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4988	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4989	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4990	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4991	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R4992	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4993	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4994	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4995	ERJ14YJ151	M.RESISTOR CH 1/4W 150	1	
R4996	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
SW4001	VSS0126	SWITCH	1	
SW4101	VSS0126	SWITCH	1	
SW4201	VSS0126	SWITCH	1	
SW4301	VSS0126	SWITCH	1	
TG4002	VJR0646	TEST POINT	1	D0X0R0000022
TG4202	VJR0646	TEST POINT	1	D0X0R0000022
TG4505	VJR0646	TEST POINT	1	D0X0R0000022
TG4705	VJR0646	TEST POINT	1	D0X0R0000022
TP4001-04	EYF6CU	TEST POINT	4	
TP4101,02	EYF6CU	TEST POINT	2	
TP4201-04	EYF6CU	TEST POINT	4	
TP4301,02	EYF6CU	TEST POINT	2	
TP4401,02	EYF6CU	TEST POINT	2	
TP4404	EYF6CU	TEST POINT	1	
TP4504	EYF6CU	TEST POINT	1	
TP4601-04	EYF6CU	TEST POINT	4	
TP4704	EYF6CU	TEST POINT	1	
TP4801-03	EYF6CU	TEST POINT	3	
TP4903	EYF6CU	TEST POINT	1	
VR4001	VRV0111B101	V.RESISTOR 100	1	
VR4002	VRV0112B103	V.RESISTOR 10K	1	
VR4101	VRV0111B101	V.RESISTOR 100	1	
VR4102	VRV0112B103	V.RESISTOR 10K	1	
VR4201	VRV0111B101	V.RESISTOR 100	1	
VR4202	VRV0112B103	V.RESISTOR 10K	1	
VR4301	VRV0111B101	V.RESISTOR 100	1	
VR4302	VRV0112B103	V.RESISTOR 10K	1	
VR4401	VRV0112B103	V.RESISTOR 10K	1	
VR4402	VRV0111B501	V.RESISTOR 500	1	
VR4501	VRV0112B103	V.RESISTOR 10K	1	
VR4502	VRV0111B501	V.RESISTOR 500	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VR4601	VRV0112B103	V.RESISTOR 10K	1	
VR4602	VRV0111B501	V.RESISTOR 500	1	
VR4701	VRV0112B103	V.RESISTOR 10K	1	
VR4702	VRV0111B501	V.RESISTOR 500	1	
VR4801	VRV0112B103	V.RESISTOR 10K	1	
VR4802	VRV0111B501	V.RESISTOR 500	1	
VR4901	VRV0112B103	V.RESISTOR 10K	1	
VR4902	VRV0111B501	V.RESISTOR 500	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E2	VEP84334C	F2 A PROC P.C.BOARD	1	(RTL)
■	VEP84360A	A JOG P.C.BOARD	1	(RTL)FOR VEP84334C
C101-08	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	8	FOR VEP84360A
C203	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	FOR VEP84360A
C207	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP84360A
C208	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	FOR VEP84360A
C4001	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4002	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4003-06	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	4	
C4007,08	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4009,10	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C4011	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4012	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4013-22	EEVHB1C470	E.CAPACITOR 16V 47U	10	
C4023	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4024	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4025	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4026-28	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C4029,30	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4031-34	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C4035,36	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4037	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4038,39	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C4040-43	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C4044	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4045,46	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C4047,48	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C4049,50	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4051-53	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C4054	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4055,56	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	2	
C4057	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4058,59	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C4060	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4061	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C4062	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C4101-12	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	12	
C4115	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4201-09	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	9	
C4301	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4302-14	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	13	
C4315,16	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C4317	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4318	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4319	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4320	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4321	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4322,23	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C4324-39	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	16	
C4340	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C4341	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4343	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4344	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4345	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4346,47	EEVHB1A330	E.CAPACITOR 10V 33U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4401,02	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C4403	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4404	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4405-08	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	4	
C4409	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C4410	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4411-13	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	3	
C4414	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C4415-26	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	12	
C4427-33	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	7	
C4434,35	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C4436	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4437	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4438	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4439	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4440,41	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C4442	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4443	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4444	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C4445	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4446-48	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	3	
C4449-53	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	
C4501-08	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	8	
C4601-05	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	
C4606,07	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4608,09	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4610,11	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C4612,13	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C4616,17	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4618	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4701-05	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	
C4706,07	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4708,09	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4710,11	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C4712,13	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C4716,17	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C4718	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4801-04	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C4901-10	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	10	
C4911-14	EEVHB1C470	E.CAPACITOR 16V 47U	4	
C4915-18	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
D4601-04	MA152A	DIODE	4	
D4701-04	MA152A	DIODE	4	
IC100,01	M5256DVP10VL	IC	2	C3BBFC000171 FOR VEP84360A
IC102	C1AB00001135	IC	1	FOR VEP84360A
IC103,04	M5256DVP10VL	IC	2	C3BBFC000171 FOR VEP84360A
IC205	XC62FP3302P	IC	1	FOR VEP84360A
IC4001-04	NJM360M	IC	4	C0BBZB000001
IC4005	LT1573CS8	IC	1	
IC4006	LT1129CS8	IC	1	
IC4101	C3BBHC000220	IC	1	
IC4201	C3BBHC000220	IC	1	
IC4301	AD1890JP	IC	1	C0ZBZ0000155
IC4302,03	SN74S1051NS	IC	2	
IC4304	TLCX245FT	IC	1	
IC4305	AD1890JP	IC	1	C0ZBZ0000155
IC4306	TLCX245FT	IC	1	
IC4307	C1ZBZ0001645	IC	1	
IC4308	TLCX245FT	IC	1	
IC4309	TVHC245FT	IC	1	
IC4310	AD1893JST	IC	1	
IC4311-14	TLCX245FT	IC	4	
IC4315	TVHC245FT	IC	1	
IC4316	TLCX245FT	IC	1	
IC4317	DS90LV048A	IC	1	
IC4318	AD1893JST	IC	1	
IC4319,20	PLL1700E	IC	2	
IC4321	TLCX245FT	IC	1	
IC4322	NJM2904M	IC	1	
IC4323	MC74HC4046AF	IC	1	C0JBAZ000153
IC4324	TVHT244FT	IC	1	
IC4401	TLCX245FT	IC	1	
IC4402	TVHC245FT	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4403,04	AD1893JST	IC	2	
IC4405	TVHC245FT	IC	1	
IC4409,10	TVHC245FT	IC	2	
IC4415,16	TVHC245FT	IC	2	
IC4417,18	AD1890JP	IC	2	C0ZBZ0000155
IC4423	TVHT244FT	IC	1	
IC4424	C1ZBZ0001645	IC	1	
IC4425,26	TC7SHU04FU	IC	2	
IC4501,02	UPD65949G076	IC	2	
IC4601	MB87D136APFV	IC	1	C1ZBZ0001517
IC4602	TVHT244FT	IC	1	
IC4603	TVHC74FT	IC	1	
IC4701	MB87D136APFV	IC	1	C1ZBZ0001517
IC4702	TVHT244FT	IC	1	
IC4703	TVHC74FT	IC	1	
IC4801	MB87D136APFV	IC	1	C1ZBZ0001517
IC4901	EPF10K30A143	IC	1	C3ZBB0000007
IC4902	K416S4030CTL	IC	1	C3ABPG000041
IC4903	TVHC244FT	IC	1	
IC4904	S80726ANDP	IC	1	
ID4901	VVVSI3708	SOFTWARE	1	
IP4901,02	EPC2TC32	IC	2	
J4901-04	VJR1008	EARTH LUG	4	
JP200,01	VJR1008	EARTH LUG	2	FOR VEP84360A
L4001-04	VLQ0426J1R8	COIL 1.8UH	4	G1C1R8J00007
L4005-08	VLF1151A132	COIL	4	
P1,P2	K1KAE8B00001	CONNECTOR (MALE)	2	
P200	VJS3886A068	CONNECTOR (FEMALE)	1	K1KB68A00011 FOR VEP84360A
P4901	VJP3125B008	CONNECTOR (MALE)	1	
P4902,03	VJP3635A068	CONNECTOR (MALE)	2	K1KA68A00016
Q4001,02	2SA1532	TRANSISTOR	2	
Q4003-05	2SC3930	TRANSISTOR	3	
Q4006	2SA1532	TRANSISTOR	1	
Q4007	2SC3930	TRANSISTOR	1	
Q4008	2SA1532	TRANSISTOR	1	
Q4009,10	2SC3930	TRANSISTOR	2	
Q4011,12	2SA1532	TRANSISTOR	2	
Q4013-15	2SC3930	TRANSISTOR	3	
Q4016	2SA1532	TRANSISTOR	1	
Q4017	2SC3930	TRANSISTOR	1	
Q4018	2SA1532	TRANSISTOR	1	
Q4019,20	2SC3930	TRANSISTOR	2	
Q4021	2SB1202-S	TRANSISTOR	1	
Q4601,02	2SJ163-Q	TRANSISTOR	2	
Q4603-08	2SC2480	TRANSISTOR	6	
Q4701,02	2SJ163-Q	TRANSISTOR	2	
Q4703-08	2SC2480	TRANSISTOR	6	
R100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP84360A
R102,03	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	FOR VEP84360A
R104	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP84360A
R106	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP84360A
R107	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP84360A
R112-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	FOR VEP84360A
R125	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP84360A
R127	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP84360A
R130	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP84360A
R132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP84360A
R134,35	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R136,37	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	FOR VEP84360A
R138	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R206	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP84360A
R208-12	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	FOR VEP84360A
R217,18	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R223,24	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R229,30	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R231	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R232,33	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R238,39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R240	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R242,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R246,47	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R252	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R253	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP84360A
R255,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP84360A
R257	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R262-64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	FOR VEP84360A
R268	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R277	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP84360A
R4001-04	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	4	
R4005-08	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	4	
R4009-12	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	4	
R4013,14	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R4015,16	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	2	
R4017-20	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	4	
R4021-24	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	4	
R4025-32	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	8	
R4033,34	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R4035,36	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4037-40	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	4	
R4041,42	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4043,44	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R4045,46	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	2	
R4047-50	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	4	
R4051-54	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	4	
R4055,56	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R4057-60	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	4	
R4061	ERJ8GEYJ221	M.RESISTOR CH 1/8W 220	1	
R4062	ERJ14YJ470	M.RESISTOR CH 1/4W 47	1	
R4063-65	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
R4066	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4068	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4069	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R4070	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R4071	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4072	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4102	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4103-05	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
R4108	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4110-12	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
R4201	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4203-05	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
R4208	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4301-03	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R4304-11	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	8	
R4312	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4313-17	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	5	
R4318	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4319,20	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	2	
R4322-24	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R4325-31	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	7	
R4332	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4333	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4334	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4335-42	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	8	
R4343	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R4344	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R4345	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4346-50	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	5	
R4351	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R4352	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4353-56	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	
R4357-59	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R4360	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R4364-66	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R4367-76	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	10	
R4377	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4378-81	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	4	
R4382	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4383-94	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	12	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4395,96	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R4397	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4398	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R4399	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4401-04	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	
R4405	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4407	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4408,09	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	
R4410	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4411	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R4412-14	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R4415	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R4416	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4417,18	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	2	
R4419	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4420-22	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	3	
R4423	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R4424	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4425,26	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	
R4427,28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4429-37	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	9	
R4438,39	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4440-42	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	3	
R4443	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4444,45	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	
R4446	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4447,48	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4449	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4450-52	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	3	
R4453-62	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	10	
R4463	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R4490,91	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4492-95	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	4	
R4497-99	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	3	
R4501-08	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	8	
R4601	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4604,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4608	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4609,10	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4611	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4612-14	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	3	
R4615	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4616	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4617	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R4618	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4619	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R4620	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4621,22	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4623-26	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	4	
R4627,28	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4701	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4704,05	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4708	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4709,10	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4711	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4712-14	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	3	
R4715	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4716	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4717	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R4718	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4719	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R4720	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4721,22	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4723-26	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	4	
R4727,28	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4801	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4803	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4805	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4901,02	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4904	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4905	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4906	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4908	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R4909	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4910	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4911	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4912,13	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4915	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4916	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4918-20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R4921,22	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R4923-34	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	12	
R4935	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4936	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R4946	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
TG4001-03	EYF6CU	TEST POINT	3	
TG4004	VJR0646	TEST POINT	1	D0X0R0000022
TG4005	EYF6CU	TEST POINT	1	
TP4301-17	EYF6CU	TEST POINT	17	
TP4403-11	EYF6CU	TEST POINT	9	
TP4414	EYF6CU	TEST POINT	1	
TP4416-22	EYF6CU	TEST POINT	7	
X4301	VSX1088	CRYSTAL OSCILLATOR	1	
X4401	VSX0519	CRYSTAL OSCILLATOR	1	H0D160500011
X4601,02	VSX1088	CRYSTAL OSCILLATOR	2	
X4701,02	VSX1088	CRYSTAL OSCILLATOR	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	VMS6082	SPACER	4	FOR VEP84360A
	XYN3+K6	SCREW	8	FOR VEP84360A
■ E3	VEP83464B	F3 REC PB P.C.BOARD	1	(RTL)
C1	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C2	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C5	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C6	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C7	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C8	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C11	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C12	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C13	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C15	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C16,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C18	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C19,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C21	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C24	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C25	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C30-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C41	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C42-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C55-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C59	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C70-76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C87,88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C94-96	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	3	
C97-04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C142-49	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C150,51	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C152-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C172	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C173	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C174	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C175	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C176-78	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C200-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C204,05	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	2	
C206-29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	24	
C250	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C251	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C252	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C253-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C280-89	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C310-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C330-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C342	ECUX1C184KBN	C.CAPACITOR CH 16V 0.18U	1	
C343	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C344-46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C347	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C348	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C350-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C378-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	32	
C418	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C430-41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C485	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C486	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C487-95	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C496,97	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C503-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C510	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C511	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C512-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C515	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C550	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C555-58	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	4	
C559-66	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C567-71	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	5	
C575-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C590-97	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C620-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C628	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C629-36	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C670-73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C680-83	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C690-99	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C704-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C710,11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C800-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C808	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C809	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C812	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C813	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C814	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C815	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C816,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C818	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C819	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C820,21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C824,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C850-57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C858	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C859	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C860	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C861	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C862	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C863	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C864	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C865	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C866	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C867	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C868,69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C870,71	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C872,73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C874	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C875	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C876	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C877	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C878-80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C882	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C900	ECUX1H100CCV	C.CAPACITOR CH 50V 10P	1	
D10	MA153	DIODE	1	MA3X153
D15,16	MA153	DIODE	2	MA3X153
D20,21	MA153	DIODE	2	MA3X153
FL1,L2	EZAST33AAAJ	FILTER	2	
FL5-12	EZAST33AAAJ	FILTER	8	
FL20,21	EZAST33AAAJ	FILTER	2	
FL30	VLF1462	FILTER	1	
FL40	VLF0931	FILTER	1	F1Y2A1030001
IC1	LT1573CS8	IC	1	
IC2,C3	LT1086CM	IC	2	C0CBAYG00001
IC4	TVHC245FT	IC	1	
IC5	SN74S1053NS	IC	1	
IC6	IDTLVC16245F	IC	1	
IC7	SN74S1053NS	IC	1	
IC8	IDTLVC16245F	IC	1	
IC10	SN74S1053NS	IC	1	
IC11	IDTLVC16245F	IC	1	
IC17	SN74S1053NS	IC	1	
IC18	IDTLVC16245F	IC	1	
IC19	SN74S1053NS	IC	1	
IC20	IDTLVC16245F	IC	1	
IC22	NJM78L09UA	IC	1	C0CBAHC00002
IC23	NJM78L05UA	IC	1	C0CBADC00010
IC24	NJM79L09UA	IC	1	C0CABBF00001
IC25	TLCX04F	IC	1	
IC26	TVHC125FT	IC	1	
IC27	TLCX125FT	IC	1	
IC28	TVHT00F	IC	1	
IC30	TLCX245FT	IC	1	
IC32-34	TLCX257FT	IC	3	
IC35	TVHC245FT	IC	1	
IC39	TLCX245FT	IC	1	
IC40	IDTLVC16245F	IC	1	
IC41,42	TLCX245FT	IC	2	
IC43	TLCX04F	IC	1	
IC44,45	DS90LV048A	IC	2	
IC46	DS90LV047A	IC	1	
IC48,49	TLCX04F	IC	2	
IC50	MB87J1460	IC	1	
IC51,52	IDTLVC16374F	IC	2	
IC53	TC7W125FU	IC	1	
IC54	TVHT08FT	IC	1	
IC55	NJM082BM	IC	1	C0ABEB000017
IC56,57	K416S4030CTL	IC	2	C3ABPG000041
IC58	TLCX04F	IC	1	
IC65	MB87J1460	IC	1	
IC66,67	IDTLVC16374F	IC	2	
IC70,71	K416S4030CTL	IC	2	C3ABPG000041
IC80	L7A1644	IC	1	C1AA00000231
IC81,82	IDTLVC16374F	IC	2	
IC83,84	MN47V07AF	IC	2	
IC90	MN673797A	IC	1	
IC91	IDTLVC16245F	IC	1	
IC95	MN673797A	IC	1	
IC100	MN673797A	IC	1	
IC101	IDTLVC16245F	IC	1	
IC102	BH7086KV	IC	1	C1ZBZ0001649
IC103	TC7SHU04FU	IC	1	
IC104	TC7SH04FU	IC	1	
IC105	MN673797A	IC	1	
IC106	TLCX257FT	IC	1	
IC110	IDTLVC16245F	IC	1	
IC112	SN74S1053NS	IC	1	
IC113	IDTLVC16245F	IC	1	
IC118-27	MN47V78SP	IC	10	
IC128	TLCX245FT	IC	1	
IC141,42	IDTLVC16245F	IC	2	
IC160	MN7F008B4C	IC	1	
IC162	D4564163A10B	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC163	TLCX257FT	IC	1	
IC164,65	DS90LV047A	IC	2	
IC166	TVHC125FT	IC	1	
IC167	TVHC245FT	IC	1	
IC168	TLCX257FT	IC	1	
IC169	TVHC125FT	IC	1	
IC180	MN7F008B4C	IC	1	
IC181,82	D4564163A10B	IC	2	
IC186,87	TVHC245FT	IC	2	
IC188	TLCX257FT	IC	1	
IC195	MN7F008B4C	IC	1	
IC196,97	D4564163A10B	IC	2	
IC210,11	DS90LV048A	IC	2	
IC212	TLCX125FT	IC	1	
IC214,15	DS90LV048A	IC	2	
IC216	TLCX125FT	IC	1	
IC300	T203E3801AF1	IC	1	
IC301	NJM78L05UA	IC	1	C0CBADC00010
IC303	TVHC125FT	IC	1	
IC304	NJM082BM	IC	1	C0ABEB000017
IC306,07	TVHT08FT	IC	2	
IC308	NJM78L09UA	IC	1	C0CBAHC00002
IC309	NJM79L09UA	IC	1	C0CABBF00001
IC400	UPD65943G028	IC	1	
IC401	TLCX125FT	IC	1	
IC402	TVHT00F	IC	1	
IC405	TC7W53F	IC	1	
IC406	NJM78L05UA	IC	1	C0CBADC00010
IC407	NJM79L05UA	IC	1	C0CBBDC00001
IC408	LT1228CS8	IC	1	
IC409	NJM78L05UA	IC	1	C0CBADC00010
IC410	YWCXD1175AM	IC	1	
ID10	VVVSI3716	REC/PB_PLD	1	
IP9	X9144L7T100	IC	1	
IP21	X9144L7T100	IC	1	
IP31	X9144L7T100	IC	1	
IP111	X9144L7T100	IC	1	
IP115	X9144L7T100	IC	1	
IP140	X9144L7T100	IC	1	
IP143	X9144L7T100	IC	1	
IP213	X9036L7V64	IC	1	
IP217	X9036L7V64	IC	1	
IP220	X9144L7T100	IC	1	
IP403	X9144L7T144	IC	1	
L1,L2	VLF1151A132	COIL	2	
L4	VLF1151A132	COIL	1	
L30,31	VLQ0319K150	COIL 15UH	2	G1C150KA0002
L32	VLQ0319K390	COIL 39UH	1	G1C390KA0002
L33	VLQ0319K150	COIL 15UH	1	G1C150KA0002
L40	VLQ0319K150	COIL 15UH	1	G1C150KA0002
L45	VLQ0319K150	COIL 15UH	1	G1C150KA0002
P1,P2	K1KAE8B00001	CONNECTOR (MALE)	2	
P3	K1KAA0B00036	CONNECTOR (MALE)	1	
P10	VJP3125B008	CONNECTOR (MALE)	1	
P20	VJP4064K120C	CONNECTOR (MALE)	1	K1KBC0A00022
Q1	2SB1202-S	TRANSISTOR	1	
Q5,Q6	2SB709	TRANSISTOR	2	
Q7	2SA1532	TRANSISTOR	1	
R1,R2	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R3	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R4	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R6	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R7-R9	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	3	
R10-13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R16	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R18	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R20	ERJ8GEYJ221	M.RESISTOR CH 1/8W 220	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R21	ERJ14YJ470	M.RESISTOR CH 1/4W 47	1	
R22	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ6RBD821	M.RESISTOR CH 1/10W 820	1	
R24	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R25	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R30	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R31	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R32	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R37,38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R39-41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R44	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R49,50	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R59,60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R80	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R97	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R98-00	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R128,29	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R130-32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R134	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R138	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R153	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R154-58	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R159,60	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R164	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R165-75	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	11	
R177-81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R182-85	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R186,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R189-91	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R194,95	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R196	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R197-99	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R200	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R201	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R202-04	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R205-07	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R208	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R213	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R218	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R228	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R230	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R233	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R239	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R244	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R245	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R246	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R248	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R250-69	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	20	
R270-77	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R281	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R282-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R286	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R287	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R289-91	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R292	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R293	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R294	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R300-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	32	
R342	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R343	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R344,45	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R346	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R348-55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R358	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R359	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R361	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R362	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R371	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R372	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R373,74	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R375	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R376	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R382,83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R384,85	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R386,87	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R388	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R390	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R400	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R409-11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R412,13	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R419	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R420-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R425-32	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R439	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R445	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R446-48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R449-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R457	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R470	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R471-86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	16	
R487,88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R489-98	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	10	
R499-11	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	13	
R514-23	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R524-30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	7	
R531	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R532	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R533-43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	11	
R544,45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R546-53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R554-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R570-77	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	8	
R578,79	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R581-83	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R586-90	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R591-98	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	8	
R599,00	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R602-05	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R607-11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R612-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R640	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R641-56	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	16	
R657-59	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R670	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R671-78	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R680-87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R688-95	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	8	
R696	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R697-12	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	16	
R713-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R727-34	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R736-43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R744-51	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	8	
R776	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R801	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R813	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R814-21	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	8	
R823-26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R827	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R830	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R839	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R840,41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R842	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R843-45	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R846	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R848	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R849	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R850	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R860	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R861	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R880-93	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	14	
R914	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R915	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R916	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R917	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R919,20	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R922,23	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R928-33	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R934	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R935-42	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R943	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R944,45	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R970	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R980	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R981	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R982	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R983	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R984	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R985	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1000-13	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	14	
R1030	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1032,33	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1035,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1047	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1074	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1100,01	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1103-06	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R1107	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1108	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1109-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R1116,17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1118	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1119-22	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R1123	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1124	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1125-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R1135,36	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1141,42	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1150	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1151-53	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R1161	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1163,64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1300	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1307	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1308	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R1309,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R1311	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1312	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1313,14	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	2	
R1350,51	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1352-54	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R1356,57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R1358	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1360	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1361	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1362	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1363	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1364	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1365	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R1366	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R1367	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1368	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R1369	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R1370	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1371	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R1372	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R1373	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1374,75	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R1376	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R1377	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R1378	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R1379	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R1380	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R1381	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R1382	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R1383	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1401,02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1410	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1412-20	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	9	
R1500,01	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R1511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1514	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
TG1-G5	EYF6CU	TEST POINT	5	
TP1,P2	EYF6CU	TEST POINT	2	
TP10-18	EYF6CU	TEST POINT	9	
TP20-23	EYF6CU	TEST POINT	4	
X1	VSX0907	CRYSTAL OSCILLATOR	1	H4G1805A0003
X10	VSX1062	CRYSTAL OSCILLATOR	1	
X20	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X21	VSX0973	CRYSTAL OSCILLATOR	1	H1C1385B0001
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E4	VEP83465B	F4 V PROC P.C.BOARD	1	(RTL)
C1	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2-C7	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C8,C9	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C10-12	EEVHB1A330	E.CAPACITOR 10V 33U	3	
C13-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C21,22	EEVHB1E330P	E.CAPACITOR 25V 33U	2	
C23-28	EEVHB1A330	E.CAPACITOR 10V 33U	6	
C29,30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C31,32	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C33,34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C35,36	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C37	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C38-40	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C45,46	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C47	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C48-55	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C110	ECA1CEN470	E.CAPACITOR 16V 47P	1	
C111,12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C113,14	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C115	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C116	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C117	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C118	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C119	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	
C120	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C121,22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C123	ECA1CEN470	E.CAPACITOR 16V 47P	1	
C124	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C125	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C126	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C127-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C131	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C132	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C133	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C134,35	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	2	
C136-38	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C139	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C140-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C143	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C144	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C145	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C146-49	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C155-57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C158,59	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C160	EEVHB1C100	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C161,62	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C190,91	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C192	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C193,94	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C195	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C196,97	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C198	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C199	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C200	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C201	EEVHP1H3R3	E.CAPACITOR 50V 3.3U	1	
C202	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C203	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C204,05	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C206	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C207	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C208	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C209	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C210	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C211	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C212	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C213	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C214	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C215	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C216,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C218	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C219	ECEV1VAN2R2	E.CAPACITOR CH 35V 2.2U	1	
C220	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C221	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C222-24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C225	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C226	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C228	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C229-34	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C235	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C236	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C237	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C238-43	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C252-61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C262	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C263-70	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C365-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C374	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C375	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C376	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C377	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C378	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C379	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C380	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C381-85	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C386	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C387	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C388-93	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C395,96	ECQB1H103KF	P.CAPACITOR 50V 0.01U	2	
C400,01	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C402	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C403-09	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C410,11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C412	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C413-22	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
C423,24	EEVHP1H1R0	E.CAPACITOR 50V 1U	2	
C425-29	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C430	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C431-36	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C437	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C438-43	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C445-47	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C448	VCEA1CAP330	C.CAPACITOR 16V 33U	1	
C449,50	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C451	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C452-56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C457	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C458,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C460	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C461,62	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C463	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C464	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C465	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C466	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C467	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C468	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C469	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C470	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C471	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C472	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C473	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C474-76	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C477	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C478,79	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C480	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C481	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C482	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C483,84	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C485	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C486	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C487	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C510,11	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C513-16	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	4	
C517	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C518-43	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	26	
C544,45	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C546-50	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	5	
C553,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C610,11	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C612-16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C617	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C618	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C630-35	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C680-83	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C684	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C695	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C696-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	11	
C707	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C708-11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C905-10	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C955-58	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C959	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C971,72	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C973,74	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C975-79	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C980	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C981-85	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1075,76	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1077,78	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C1079-85	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C1086	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C1165-69	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C1170	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C1171,72	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C1240	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C1241-44	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1247-53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C1256-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C1262-71	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
D45-48	LN1251CAL	DIODE	4	
D110,11	MA142K	DIODE	2	
D190	MA3J14300L	DIODE	1	
D191	MA142K	DIODE	1	
D192	MA3J14300L	DIODE	1	
D365	MA142K	DIODE	1	
D366	MA3J14300L	DIODE	1	
D400,01	MA3J14300L	DIODE	2	
D402	MA142K	DIODE	1	
D445	MA3J14300L	DIODE	1	
IC1	AN78N09	IC	1	
IC2	AN79N09	IC	1	
IC3	LT1129CS8	IC	1	
IC4	LT1175CS8	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC5	TLCX125FT	IC	1	
IC7	S80726ANDP	IC	1	
IC45	SN74S1053NS	IC	1	
IC46	SN74S1051NS	IC	1	
IC47	EPF6016A-143	IC	1	
IC48	C0JBAB000196	IC	1	
IC49,50	IDTLVC16245F	IC	2	
IC110	AN91A12S	IC	1	
IC111	CLC505AJE	IC	1	C0ABAB000024
IC112	GS4981-C	IC	1	
IC113	TC7W53F	IC	1	
IC114	SN74LS123NS	IC	1	
IC115	SN74LS221NS	IC	1	
IC116	TC7W00FU	IC	1	
IC117	NE521D	IC	1	C0BBBB000013
IC155	UPD65650J203	IC	1	C1ZBZ0001380
IC156	SN74LS221NS	IC	1	
IC190,91	XC62GR5022P	IC	2	
IC192	TC7W53F	IC	1	
IC193	THC4053FT	IC	1	
IC194	NJM082BM	IC	1	C0ABEB000017
IC195	TVHC08FT	IC	1	
IC196	MM74HC221AM	IC	1	C0JBAM000078
IC197	TVHC125FT	IC	1	
IC198	NJM082BM	IC	1	C0ABEB000017
IC199	TVHC125FT	IC	1	
IC200	TC7W125FU	IC	1	
IC201	C0JBAB000196	IC	1	
IC202	NJM082BM	IC	1	C0ABEB000017
IC203	MM74HC221AM	IC	1	C0JBAM000078
IC204	TVHC257FT	IC	1	
IC205	MM74HC221AM	IC	1	C0JBAM000078
IC206	C0JBAM000098	IC	1	
IC250,51	DS90LV048A	IC	2	
IC252	EPF10K30A203	IC	1	C0JBCZ000005
IC253	IDTLVC16245F	IC	1	
IC254	TLCX245FT	IC	1	
IC255,56	IDTLVC16245F	IC	2	
IC257	TVHT04FT	IC	1	
IC258	TLCX125FT	IC	1	
IC259	TLCX74FT	IC	1	
IC260	IDTLVC574APG	IC	1	
IC261	TLCX125FT	IC	1	
IC263	TLCX125FT	IC	1	
IC365	XC62FP5002P	IC	1	
IC366	XC62FP3302P	IC	1	
IC367,68	TC7W53F	IC	2	
IC369	TVHT08FT	IC	1	
IC370	TC7W125FU	IC	1	
IC371	NJM082BM	IC	1	C0ABEB000017
IC372-75	TLCX125FT	IC	4	
IC376	DS90LV047A	IC	1	
IC400	XC62FP3302P	IC	1	
IC401	DAC10GS	IC	1	
IC402	XC62FP5002P	IC	1	
IC403	TC7W53F	IC	1	
IC404	NJM082BM	IC	1	C0ABEB000017
IC405	TLCX125FT	IC	1	
IC406	DS90LV047A	IC	1	
IC407,08	TLCX125FT	IC	2	
IC409	NJM084M	IC	1	C0ABFB000008
IC410	TC7W125FU	IC	1	
IC411	TLCX125FT	IC	1	
IC412	TVHT08FT	IC	1	
IC445,46	LT1129CS8	IC	2	
IC447	ADV7171KS	IC	1	C0ZBZ0000175
IC448	ADV7128KR80	IC	1	
IC449	AD589JR	IC	1	
IC450,51	AD818AR	IC	2	
IC452	NE521D	IC	1	C0BBBB000013
IC510	DS90LV048A	IC	1	
IC511,12	IDTLVC16245F	IC	2	
IC513	TLCX245FT	IC	1	
IC514	TLCX125FT	IC	1	
IC610-14	M66282F	IC	5	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC615	TLCX125FT	IC	1	
IC630	EPF10K30A243	IC	1	C1ZBZ0001558
IC680-83	K416S4030CTL	IC	4	C3ABPG000041
IC695,96	VY06629	IC	2	C1ZBZ0000165
IC697-99	IDTLVC16374F	IC	3	
IC700-03	TLCX257FT	IC	4	
IC905	EPF10K30A243	IC	1	C1ZBZ0001558
IC955-58	K416S4030CTL	IC	4	C3ABPG000041
IC970,71	M66282F	IC	2	
IC972	UPD65944G020	IC	1	
IC973	M66282F	IC	1	
IC974	IDTLVC16374F	IC	1	
IC975	TLCX74FT	IC	1	
IC976	IDTLVC574APG	IC	1	
IC977,78	TLCX125FT	IC	2	
IC1075,76	M66282F	IC	2	
IC1077	UPD65944G020	IC	1	
IC1078	M66282F	IC	1	
IC1079	IDTLVC16374F	IC	1	
IC1080	IDTLVC574APG	IC	1	
IC1165	DS90LV047A	IC	1	
IC1166-68	TLCX125FT	IC	3	
IC1169	DS90LV047A	IC	1	
IC1170	XC62FP3302P	IC	1	
IC1240-49	TLCX257FT	IC	10	
IC1250,51	IDTLVC16374F	IC	2	
IC1252	IDTLVC574APG	IC	1	
IC1253	TLCX257FT	IC	1	
IC1254	IDTLVC574APG	IC	1	
IC1261	IDTLVC16374F	IC	1	
IC1262	IDTLVC574APG	IC	1	
IC1264	UPD65943G028	IC	1	
ID4	VVVSI3704	PLD DATA	1	
IP1	EPC2TC32	IC	1	
IP2	EPM7128AE141	IC	1	
L1-L6	VLF1151A132	COIL	6	
L7	VLP0183	COIL	1	J0JKC0000007
L8	VLF1151A132	COIL	1	
L110,11	VLQ0319K470	COIL 47UH	2	G1C470K00013
L112	VLQ0319K221	COIL 220UH	1	G1C221K00010
L113	VLQ0163J390	COIL 39UH	1	
L114	VLQ0163J680	COIL 68UH	1	
L190	VLQ0163J470	COIL 47UH	1	
L191	VLQ0163J221	COIL 220UH	1	G1C221J00003
L365,66	VLQ0163J470	COIL 47UH	2	
L400,01	VLQ0163J220	COIL 22UH	2	
L402	VLQ0163J470	COIL 47UH	1	
L445	VLQ0319K1R0	COIL 1.0UH	1	
L446	VLQ0163J2R7	COIL 2.7UH	1	G1C2R7J00002
L447	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L448-51	VLQ0319K1R0	COIL 1.0UH	4	
L452-54	VLQ0163J470	COIL 47UH	3	
P1,P2	K1KAE8B00001	CONNECTOR (MALE)	2	
P3	K1KAA0B00036	CONNECTOR (MALE)	1	
P4	VJP3125B008	CONNECTOR (MALE)	1	
P1165	VJS4064N160E	CONNECTOR (FEMALE)	1	K1KAG0A00006
Q445,46	XN4601	TRANSISTOR-RESISTOR	2	
Q447,48	2SD601-R	TRANSISTOR	2	
QR45-48	UN5213	TRANSISTOR-RESISTOR	4	
R1-R3	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R6	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8-10	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	3	
R11-15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R17-20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R23	ERDS2TJ820	C.RESISTOR 1/4W 82	1	
R45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R46	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R47	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R49	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R52	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R53,54	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R55-61	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R63-86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	24	
R88	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R89,90	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R93,94	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R95	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R98	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R104	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R106-09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R111	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R112	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R113	ERJ3RED684	M.RESISTOR CH 1/16W 680K	1	
R114	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R115	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R116,17	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R118,19	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R121	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R122	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R123	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R124,25	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R126	ERJ3RED154	M.RESISTOR CH 1/16W 150K	1	
R127	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R128	ERJ3RED394	M.RESISTOR CH 1/16W 390K	1	
R129	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R130	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R131	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R132	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R133	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R134	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R135	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R136	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R156	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R158-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R163	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R164	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R165,66	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R167	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R168	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R169-72	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R173	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R174	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R175	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R176-79	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R180,81	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R190	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R191	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R192	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R193,94	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R195,96	ERJ3RBD561	M.RESISTOR CH 1/16W 560	2	
R197,98	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	2	
R199	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R200	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R201	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R202	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R203	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R204	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R205,06	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	2	
R207	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R208	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R209	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R210,11	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R212	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R213	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R214	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R215	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R216	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R217	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R218	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R220	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R221,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R223	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R224-26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R227	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R228	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R229	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R250,51	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R252,53	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R254,55	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	2	
R256	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R257,58	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	2	
R260-68	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	9	
R270	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R271	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R272	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R273	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R274-76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R277,78	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R288	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R290	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R291,92	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R294	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R295-06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	12	
R307-51	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	45	
R353-59	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R365	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R366	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R368-71	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	4	
R372	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R373	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R374	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R375,76	ERJ3RBD561	M.RESISTOR CH 1/16W 560	2	
R377	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R379-83	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R384,85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R387,88	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R391	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R392	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R394	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R396	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R400,01	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R402	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R403	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R404	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R405	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R406	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R407	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R408,09	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R410,11	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	2	
R412	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R413,14	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R415	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R417	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R420	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R421,22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R423	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R424	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R425	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R426	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R427	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R428-32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R434-36	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R437	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R445-52	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R453	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R454-56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R457	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R458	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R459,60	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R461,62	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R463	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R464	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R465	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R466	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R467	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R468-70	ERJ3RED750	M.RESISTOR CH 1/16W 75	3	
R471	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R472	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R473	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R474	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R475	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R476	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R478	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R479	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R480,81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R482	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R483	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R484	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R485	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R486	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R488	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R489	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R490	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R491	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R492,93	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
R494,95	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R496,97	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	
R510,11	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R512	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R513	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R514	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	
R515,16	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R517-20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R521	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R522	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R523-31	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	9	
R532	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R534-50	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	17	
R553-55	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R559-61	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	3	
R562-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	32	
R594	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R595,96	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R597-01	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R602	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R610,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R612	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R613-15	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	3	
R616	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R617-20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R621-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R629	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R630	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R631	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R632	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R634,35	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R637	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R638-69	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	32	
R670	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R680	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R696,97	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R698-57	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	60	
R758	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R759-64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R765-04	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	40	
R905	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R906	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R907	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R909-11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R912-43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	32	
R944	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R955	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R970	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R971-74	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R975	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R976	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R977	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R978	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R979	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R980,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R982-91	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R992,93	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R994-97	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R1008,09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1012	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1013	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1014-17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R1018-23	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R1024,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1026,27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1029-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R1034	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1043	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1044,45	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1046-65	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	20	
R1066-69	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1070	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1071,72	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1075-78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1079	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1080,81	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R1082,83	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1084	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1085-94	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R1095	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1096-00	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R1111,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1113,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R1115,16	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1118-24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R1125	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1134	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1135,36	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1137-56	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	20	
R1157	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1158-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R1165-10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	46	
R1211-14	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R1217	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1222	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1225	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1227,28	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R1230,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R1232	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1235	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1241,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R1244	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1246-48	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R1249	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1250	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1251-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R1257-99	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	43	
R1301-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	24	
R1325-28	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R1329	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1332,33	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1337	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R1346-49	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R1351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1352	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1353	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG1	VJR0646	TEST POINT	1	D0X0R0000022

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TG111	VJR0646	TEST POINT	1	D0X0R0000022
TG365	EYF6CU	TEST POINT	1	
TG406	VJR0646	TEST POINT	1	D0X0R0000022
TP110	EYF6CU	TEST POINT	1	
TP112-16	EYF6CU	TEST POINT	5	
TP155	EYF6CU	TEST POINT	1	
TP157	EYF6CU	TEST POINT	1	
TP160,61	EYF6CU	TEST POINT	2	
TP190-93	EYF6CU	TEST POINT	4	
TP195	EYF6CU	TEST POINT	1	
TP268	EYF6CU	TEST POINT	1	
TP270	EYF6CU	TEST POINT	1	
TP274,75	EYF6CU	TEST POINT	2	
TP278	EYF6CU	TEST POINT	1	
TP283,84	EYF6CU	TEST POINT	2	
TP286,87	EYF6CU	TEST POINT	2	
TP295	EYF6CU	TEST POINT	1	
TP365-68	EYF6CU	TEST POINT	4	
TP400-05	EYF6CU	TEST POINT	6	
TP445,46	EYF6CU	TEST POINT	2	
VR110	VRV0113B503	V.RESISTOR 50K	1	D3EC45030002
VR155,56	VRV0113B502	V.RESISTOR 5K	2	D3EC45020002
VR190,91	VRV0113B503	V.RESISTOR 50K	2	D3EC45030002
VR192,93	VRV0113B103	V.RESISTOR 10K	2	
VR194-96	VRV0113B502	V.RESISTOR 5K	3	D3EC45020002
VR365,66	VRV0161B502	V.RESISTOR 5K	2	
VR400-02	VRV0161B502	V.RESISTOR 5K	3	
VR445,46	VRV0113B101	V.RESISTOR 100	2	
VR447,48	VRV0113B102	V.RESISTOR 1K	2	D3EC41020001
X191	VSX0689	CRYSTAL OSCILLATOR	1	H1C1775B0002
X192	VSX0677	CRYSTAL OSCILLATOR	1	H1C1355B0002
X366	VSX1067	CRYSTAL OSCILLATOR	1	H1C7425A0005
X401,02	VSX0788	CRYSTAL OSCILLATOR	2	H1C2705B0006
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E5	VEP83466B	F5 SDI P.C.BOARD	1	(RTL)
■	VEP83459B	HD SDI RX P.C.BOARD	1	(RTL)FOR VEP83466B
■	VEP83460B	HD SDI TX P.C.BOARD	1	(RTL)FOR VEP83466B
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	FOR VEP83459B
C1	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C2	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83460B
C2,02	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	FOR VEP83460B
C3	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	FOR VEP83459B
C4	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83460B
C4	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	FOR VEP83459B
C5	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83460B
C5	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	FOR VEP83459B
C5	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6	ECUM1H473KBN	C.CAPACITOR CH 50V 0.047U	1	
C6	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	FOR VEP83459B
C6	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C7	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83460B
C7,C8	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C8	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	FOR VEP83459B
C8	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C9	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	FOR VEP83459B
C10	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C10	VCEA1ASC4R7M	E.CAPACITOR 10V 4.7U	1	F2D1A4R70002
C11	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C11	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C11	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C12	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C12	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C12	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	FOR VEP83459B
C13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C13	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C14	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	FOR VEP83459B
C14	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C15	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C16	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C16	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C17	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C17	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83460B
C17	VCEA0JAP151	E.CAPACITOR 6.3V 150U	1	
C18	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C18	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83460B
C18	VCEA1CAP101	E.CAPACITOR 16V 100U	1	
C19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C19	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C19	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C20	ECST0JX336	T.CAPACITOR CH6.3V 33U	1	FOR VEP83459B
C20	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C20	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C21	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83460B
C21	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C21	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C22	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C22	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C23	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C23	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83460B
C24	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C24	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C25	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C25	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83460B
C25	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C26	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C26	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C26	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	FOR VEP83459B
C27	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83460B
C27	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C27	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C28	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83460B
C28	ECUX1H391JCV	C.CAPACITOR CH 50V 390P	1	FOR VEP83459B
C28	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C29	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83460B
C29	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	FOR VEP83459B
C29	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C30	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83460B
C30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C30	ECUX1H0R5CCV	C.CAPACITOR CH 50V 0.5P	1	FOR VEP83459B
C31	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83460B
C31	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C31	ECUX1H1R5CCV	C.CAPACITOR CH 50V 1.5P	1	FOR VEP83459B
C32	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C32	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C32	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	FOR VEP83459B
C33	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C33	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C34	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C35	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C35,36	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	FOR VEP83459B
C36	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C37	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C37	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C38	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C39	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C40	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C41	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C41	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C42	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C44	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C45	VCEA1CAP330	C.CAPACITOR 16V 33U	1	
C46	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C46	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	FOR VEP83459B
C47,48	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C49	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C50	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C51	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C51	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C52	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C52	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C53	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C53	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	FOR VEP83459B
C54	ECST0JY156Z	T.CAPACITOR CH6.3V 15U	1	FOR VEP83459B
C54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C55	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C56	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C57	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	FOR VEP83459B
C58-61	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	FOR VEP83459B
C62,63	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	FOR VEP83459B
C64	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C65	ECST0JY156Z	T.CAPACITOR CH6.3V 15U	1	FOR VEP83459B
C66	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C67	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C68-70	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	FOR VEP83459B
C71	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C72	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C73	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C74	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83459B
C75	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C76	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C77	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C78	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C79	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C80	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83459B
C81	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C82	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C82	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C83	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C84	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C84	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C85	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83460B
C85	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C86	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C87	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C88	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C88	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C89	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83459B
C90	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C90	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C91	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C91	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C92	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C92	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C93	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C93	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	FOR VEP83459B
C94	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C94	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C95	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C96	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C96	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C97	ECST1CY475Z	T.CAPACITOR CH 16V 4.7U	1	FOR VEP83459B
C98	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C98	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C99	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83459B
C99	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C100	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C100	ECUX1C225ZFN	C.CAPACITOR CH 16V 2.2U	1	FOR VEP83459B
C101	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C101	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C101	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C102	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C103	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C104	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83460B
C105	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83460B
C106,07	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	FOR VEP83460B
C108	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83460B
C109,10	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	FOR VEP83460B
C110	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C111	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83460B
C111	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C112	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83460B
C112	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C113	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	FOR VEP83460B
C113	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C114	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83460B
C115	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C115,16	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	FOR VEP83460B
C116	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C117	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C118,19	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C120	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C121	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C122	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C123	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C124,25	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C127-30	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C201-06	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	6	FOR VEP83459B
C207	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83459B
C208	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C209	ECST0JC686	T.CAPACITOR CH6.3V 68U	1	FOR VEP83459B
C210	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C211	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C211	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C212	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C213	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C213	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C214	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C214	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C215	ECST1CC336Z	T.CAPACITOR CH 16V 33U	1	FOR VEP83459B
C216	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C216	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C217	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C217	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C218	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C218	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	FOR VEP83459B
C219-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C226	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C273,74	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C276-93	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	18	
C294-00	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C301	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C302-07	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C330-49	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	20	
C350-54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C355	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C356-60	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C365-72	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C513	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C514	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C515-18	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C519	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C520,21	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C580-88	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C685	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C686-89	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C690	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C691,92	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C693	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C694	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C695	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C696-02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	7	
C725-44	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	20	
C745-49	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	5	
C755-58	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C784	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C830-33	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C853,54	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C855	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C856,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C858	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C859-62	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C891	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C892	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C893	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C894	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C895	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C897	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C899	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C900-02	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	3	
C903	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C904	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C905	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C906	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C907	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C908-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C914,15	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	2	
C916-19	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	4	
C1000-09	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	10	
D1	MA716	DIODE	1	FOR VEP83459B
D3	HSMS-2823	DIODE	1	FOR VEP83459B
D4	HSMS-2824	DIODE	1	FOR VEP83459B
D5	MA142K	DIODE	1	
D5	MA3J14300L	DIODE	1	FOR VEP83459B
D6	MA142WK	DIODE	1	FOR VEP83459B
D6	SFPB-54	DIODE	1	B0JCMC000002
D7	MA142K	DIODE	1	FOR VEP83459B
D80	MA142K	DIODE	1	FOR VEP83460B
D90-92	LN1251CAL	DIODE	3	
D685	M1MA152K	DIODE	1	
IC1	C9ZB00000361	IC	1	FOR VEP83460B
IC1,C2	IVA-14208	IC	2	C0AAAA000033 FOR VEP83459B
IC2	LVTH244APW	IC	1	C0JBBZ000174 FOR VEP83460B
IC3	FMM4039XC	IC	1	FOR VEP83460B
IC3	MC10EL16D	IC	1	C0JBZZ000015 FOR VEP83459B
IC4	UPC2746T	IC	1	FOR VEP83459B
IC5	DS90LV048A	IC	1	
IC5	NJM062V	IC	1	FOR VEP83459B
IC6	AD8005ART	IC	1	FOR VEP83459B
IC6	SB3032P	IC	1	C0DBEZH00004
IC7	DS90LV048A	IC	1	
IC7	UPC2726T	IC	1	FOR VEP83459B
IC8	TLCX245FT	IC	1	
IC8	UPC2726T	IC	1	FOR VEP83459B
IC9	C1AB00001315	IC	1	FOR VEP83459B
IC9	TLCX244FT	IC	1	
IC10	C9ZB00000361	IC	1	FOR VEP83459B
IC10	NJM062V	IC	1	FOR VEP83460B
IC10	TLCX244FT	IC	1	
IC11	LVTH244APW	IC	1	C0JBBZ000174 FOR VEP83459B
IC12	DS90LV048A	IC	1	
IC13	MC10EL16D	IC	1	C0JBZZ000015 FOR VEP83460B
IC14	LT1086CM33	IC	1	
IC14	UPC2726T	IC	1	FOR VEP83459B
IC15	TLCX245FT	IC	1	
IC16	TVHC244FT	IC	1	
IC17	LT1529CQ	IC	1	
IC18	LT1175CS8	IC	1	
IC19	TLCX244FT	IC	1	
IC21	TLCX125FT	IC	1	
IC90	SN74S1053NS	IC	1	
IC91	SN74S1051NS	IC	1	
IC92-95	TLCX245FT	IC	4	
IC110,11	TLCX245FT	IC	2	
IC112	MC74HC4046AF	IC	1	C0JBAZ000153
IC113	NJM2904M	IC	1	
IC114	TC7SH04FU	IC	1	
IC115	TVHC244FT	IC	1	
IC117-19	TLCX574FT	IC	3	
IC120	TLCX245FT	IC	1	
IC121	TVHT245F	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC122	TLCX240FT	IC	1	
IC212	TLCX574FT	IC	1	
IC213	TLCX245FT	IC	1	
IC214-17	TVHT245F	IC	4	
IC218	DS90LV047A	IC	1	
IC219	TVHT245F	IC	1	
IC270-73	TLCX574FT	IC	4	
IC279	TLCX245FT	IC	1	
IC280-82	M66282F	IC	3	
IC283	TLCX245FT	IC	1	
IC330-32	TLCX574FT	IC	3	
IC337-39	M66282F	IC	3	
IC365-72	TLCX245FT	IC	8	
IC510	TVHC245FT	IC	1	
IC511	MB90098A-107	IC	1	
IC513	TLCX245FT	IC	1	
IC580	TVHC244FT	IC	1	
IC581-88	TLCX245FT	IC	8	
IC685	TVHT245F	IC	1	
IC687	TC7S04F	IC	1	C0JBAB000169
IC690	TC7W125FU	IC	1	
IC691	TLCX245FT	IC	1	
IC694	TLCX245FT	IC	1	
IC695	NJM082BM	IC	1	C0ABEB000017
IC698	TLCX245FT	IC	1	
IC699	TVHT04FT	IC	1	
IC700,01	TC7W125FU	IC	2	
IC725-27	TLCX574FT	IC	3	
IC728	UPD65868GJ38	IC	1	
IC730	TLCX574FT	IC	1	
IC780	TVHC244FT	IC	1	
IC830	GS9023-CFY	IC	1	
IC850	TVHC245FT	IC	1	
IC851	MB90098A-107	IC	1	
IC853,54	M66282F	IC	2	
IC891	GS9021-CFU	IC	1	C1AB00000959
IC892,93	GS9032-CVM	IC	2	
IC1000-04	MS518221A2G	IC	5	
IC1005-09	TLCX245FT	IC	5	
ID5	VVVSI3351D	PLD DATA	1	
IP96	X9288L7T144	IC	1	
IP211	X9288L7T144	IC	1	
IP278	X9144L7T144	IC	1	
IP336	X9144L7T144	IC	1	
IP512	X9288L7T144	IC	1	
IP852	X9288L7T144	IC	1	
J1	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83459B
J2	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83459B
J3	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83459B
J4	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83460B
J4	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055 FOR VEP83459B
J5	VJP4131	CONNECTOR (MALE)	1	K1QZB1AD0003 FOR VEP83460B
J6	VJS4064K100E	CONNECTOR (FEMALE)	1	K1KAA0A00055 FOR VEP83460B
J890-92	VJP4131	CONNECTOR (MALE)	3	K1QZB1AD0003
L1	VLF1151A132	COIL	1	FOR VEP83460B
L1	VLQ078210N	COIL	1	G1C10NGA0001 FOR VEP83459B
L2	VLP0183	COIL	1	J0JKC0000007 FOR VEP83460B
L2	VLQ078210N	COIL	1	G1C10NGA0001 FOR VEP83459B
L3	VLP0183	COIL	1	J0JKC0000007 FOR VEP83460B
L3	VLQ078210N	COIL	1	G1C10NGA0001 FOR VEP83459B
L4	VLF1151A132	COIL	1	FOR VEP83460B
L4	VLQ07828N2	COIL	1	G1C8N2ZA0001 FOR VEP83459B
L5	VLQ0651M220	COIL 22UH	1	
L5	VLQ078268N	COIL	1	G1C68NGA0001 FOR VEP83459B
L6	VLP0173	COIL	1	J0JGC0000015 FOR VEP83459B
L6	VLQ0441K100	COIL 10UH	1	G1C100K00017
L7	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
L7	VLQ0441K2R2	COIL 2.2UH	1	
L8,02	VLF1151A132	COIL	2	
L9	VLQ07823N3	COIL	1	G1C3N3ZA0001 FOR VEP83459B
L10	VLF1151A132	COIL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L10	VLP0173	COIL	1	J0JGC0000015 FOR VEP83459B
L10	VLQ07823N3	COIL	1	G1C3N3ZA0001 FOR VEP83460B
L11	VLF1151A132	COIL	1	
L11	VLP0173	COIL	1	J0JGC0000015 FOR VEP83459B
L12,13	VLF1151A132	COIL	2	
L101-04	VLQ07821N8	COIL	4	G1C1N8ZA0001 FOR VEP83460B
L110	VLP0323A601	CHIP INDUCTOR	1	
L111	VLQ0319K100	COIL 10UH	1	G1C100K00023
L201	VLP0183	COIL	1	J0JKC0000007 FOR VEP83459B
L202	VLQ0441K4R7	COIL 4.7UH	1	FOR VEP83459B
L203	VLP0183	COIL	1	J0JKC0000007 FOR VEP83459B
L204,05	VLQ0441K4R7	COIL 4.7UH	2	FOR VEP83459B
L685,86	VLQ0319K100	COIL 10UH	2	G1C100K00023
L890,91	VLQ0319K100	COIL 10UH	2	G1C100K00023
L892-95	VLQ0426J010	COIL 1UH	4	
P1,P2	K1KAE8B00001	CONNECTOR (MALE)	2	
P3	K1KAA0B00036	CONNECTOR (MALE)	1	
P5	VJP3125B008	CONNECTOR (MALE)	1	
P110	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
P365	VJP4064N160C	CONNECTOR (MALE)	1	K1KBG0A00006
P580,81	VJP4064K100C	CONNECTOR (MALE)	2	K1KAA0A00020
Q1	2SC5185	TRANSISTOR	1	FOR VEP83459B
Q2	2SC5185	TRANSISTOR	1	FOR VEP83459B
Q2	2SC5185	TRANSISTOR	1	FOR VEP83460B
Q3	2SC5012	TRANSISTOR	1	FOR VEP83460B
Q3	2SC5185	TRANSISTOR	1	FOR VEP83459B
Q4	2SB1218A-R	TRANSISTOR	1	FOR VEP83459B
Q5	2SC5012	TRANSISTOR	1	FOR VEP83460B
Q5	2SC5013	TRANSISTOR	1	FOR VEP83459B
Q5	TM3111	TRANSISTOR	1	B1DFED000008
Q6	2SC5185	TRANSISTOR	1	FOR VEP83460B
Q6	2SD1819A-R	TRANSISTOR	1	FOR VEP83459B
Q6	TM3111	TRANSISTOR	1	B1DFED000008
Q7	2SC5185	TRANSISTOR	1	FOR VEP83460B
Q7-Q9	2SD1819A-R	TRANSISTOR	3	FOR VEP83459B
Q10,11	XP4601	TRANSISTOR-RESISTOR	2	FOR VEP83459B
Q12,13	2SC5185	TRANSISTOR	2	FOR VEP83459B
Q14,15	2SC3583	TRANSISTOR	2	FOR VEP83459B
QR90-92	UN2214	TRANSISTOR-RESISTOR	3	UNR221400L
R1	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R1	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	FOR VEP83459B
R2	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R2	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	FOR VEP83459B
R3	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R3	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83459B
R3	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R4	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP83459B
R4	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R4	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP83459B
R6	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R6	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R6	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R7	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP83459B
R7	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R7	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R8	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	FOR VEP83459B
R8	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R9	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R9	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R9	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R10	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP83459B
R11	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R12	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83459B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R13	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R13	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP83459B
R14	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP83459B
R14	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R15	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83459B
R16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R16	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83459B
R17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R17	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R17	ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	
R18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R18	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R18	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R19	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R19	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R20	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R20	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R21	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83459B
R21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R22	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R22	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83459B
R23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83459B
R23	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R24	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	FOR VEP83459B
R25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83459B
R25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R26	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R26	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	FOR VEP83459B
R27	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	FOR VEP83459B
R27	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R28	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R28	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R28	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R29	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R29	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R29	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R30	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R30	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R30	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83459B
R31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R31	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP83459B
R32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R33	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R33	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R33	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83459B
R34	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R35	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R36	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R36	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R37	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP83459B
R37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R38	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	FOR VEP83459B
R38	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R39	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R39	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R39	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R40	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	1	FOR VEP83459B
R40	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R41	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	FOR VEP83459B
R42	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R42	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R42	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	FOR VEP83459B
R43	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	FOR VEP83459B
R43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R43	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R44	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83459B
R44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R45	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83459B
R45	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R45	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R46	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R46	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83459B
R46	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R47	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83459B
R47	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R48	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R49	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R49	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B
R50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R51	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R52	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R52	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R52	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	FOR VEP83459B
R53	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R53	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	FOR VEP83459B
R54	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R54	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R54	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83459B
R55	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R55	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R55	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	FOR VEP83459B
R56	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83459B
R56	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R57	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83460B
R57	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP83459B
R58	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R58	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	FOR VEP83459B
R58	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP83459B
R59	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R60	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83460B
R60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R60	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83459B
R61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R61	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R61	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	FOR VEP83459B
R62	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP83459B
R62	VRE0202H47M	M.RESISTOR	1	
R63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83460B
R63	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R63	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP83459B
R64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	FOR VEP83460B
R65	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R65	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP83459B
R66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R66	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	FOR VEP83459B
R67	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	FOR VEP83460B
R67	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R67	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP83459B
R68	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	FOR VEP83459B
R68	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R68	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	FOR VEP83460B
R69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R69	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	FOR VEP83459B
R70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83460B
R70	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R71	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP83460B
R71	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R71	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83459B
R72	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R72	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	FOR VEP83459B
R73	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83459B
R73	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R74	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R75	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R75	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R76	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R77	VLQ07828N2	COIL	1	G1C8N2ZA0001 FOR VEP83459B
R78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R79	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R79	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	FOR VEP83459B
R80	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP83460B
R80	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R80	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	FOR VEP83459B
R81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83459B
R81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R81	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP83460B
R82	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83460B
R82	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R82	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R83	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	FOR VEP83460B
R83	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R83	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R84	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	FOR VEP83460B
R84	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R84	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R85	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R85	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R85	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	FOR VEP83460B
R86	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R86	ERJ3GEYJ510	M.RESISTOR CH 1/16W 51	1	FOR VEP83460B
R87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R87	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	FOR VEP83460B
R87	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R88	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R88	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	FOR VEP83460B
R88	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R89	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R89	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R90	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R90	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R91	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R91	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R91	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP83460B
R92	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R92	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R93	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R94	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R94	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R95	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R95,96	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	FOR VEP83459B
R96	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R97	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R97	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R98	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R98	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R99	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R99	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R100	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R100	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R101	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R101	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R101	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R102	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R102	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R102	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R103	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83459B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R103	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83460B
R104	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	FOR VEP83459B
R104	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83460B
R104	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R105	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R105	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83459B
R105	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP83460B
R106	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R106	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R106	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	FOR VEP83460B
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R107	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R107,08	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	FOR VEP83459B
R108	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83460B
R109	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R109	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B
R110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R110	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83460B
R110	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	FOR VEP83459B
R111	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83460B
R111	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R111	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B
R112	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R112	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R112	ERJ6GEYG151	M.RESISTOR CH 1/10W 150	1	FOR VEP83459B
R113	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	FOR VEP83459B
R113	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R113	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R114	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R114	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	FOR VEP83460B
R115	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R115	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83460B
R115	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R116	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R116	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R116	ERJ3RED240	M.RESISTOR CH 1/16W 24	1	FOR VEP83460B
R117	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R117	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B
R117	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	FOR VEP83460B
R118	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R118	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R118	ERJ3RED620	M.RESISTOR CH 1/16W 62	1	FOR VEP83460B
R119	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R119	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R119	ERJ3RED620	M.RESISTOR CH 1/16W 62	1	FOR VEP83460B
R120	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R120	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B
R120	ERJ3RED240	M.RESISTOR CH 1/16W 24	1	FOR VEP83460B
R121	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R121	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R121	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	FOR VEP83460B
R122	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R122	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B
R122	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	FOR VEP83460B
R123	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R123	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83460B
R123	VRE006610102	M.RESISTOR CH 1/10W 1K	1	D0YD102JA007 FOR VEP83459B
R124	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R124	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	FOR VEP83459B
R124	ERJ6RED270	M.RESISTOR CH 1/10W 27	1	FOR VEP83460B
R125	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R125	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R125	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B
R126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R126	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R126	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83460B
R127	ERJ3GEYJ150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R127	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R127	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	FOR VEP83459B
R128	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83459B
R128	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R128	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	FOR VEP83460B
R129	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83460B
R129	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R129	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83459B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R130	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R130	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83459B
R130	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R131	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	FOR VEP83459B
R131	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R131	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	FOR VEP83460B
R132	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R133	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R133	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	FOR VEP83460B
R134	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R134	ERJ3RED240	M.RESISTOR CH 1/16W 24	1	FOR VEP83460B
R135	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R135	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	FOR VEP83460B
R136	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R136,37	ERJ3RED620	M.RESISTOR CH 1/16W 62	2	FOR VEP83460B
R137	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R138	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R138	ERJ3RED240	M.RESISTOR CH 1/16W 24	1	FOR VEP83460B
R139	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R139	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	FOR VEP83460B
R140	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R141	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R141	ERJ6RBD751	M.RESISTOR CH 1/10W 750	1	FOR VEP83460B
R142 02	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R142	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	FOR VEP83460B
R143	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	FOR VEP83460B
R144	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R144	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	FOR VEP83460B
R145	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R145	VRE006610102	M.RESISTOR CH 1/10W 1K	1	D0YD102JA007 FOR VEP83460B
R146	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R146	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R147	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83460B
R150	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R150	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R151	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R151	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R152	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R152	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R153	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R153	ERJ3RED150	M.RESISTOR CH 1/16W 15	1	FOR VEP83460B
R154	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R155	ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	FOR VEP83460B
R156-73	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	18	
R174-76	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R177	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R178,79	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R180-01	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	22	FOR VEP83459B
R202	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R203	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R204	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R205	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R206	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R207	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R208	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R209	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R209	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R210	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R210,11	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	FOR VEP83459B
R211	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R212	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R213	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R213	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R214,15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	FOR VEP83459B
R216	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R217	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R218	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R218	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R219	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R220	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R221	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R222	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R222,23	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	FOR VEP83459B
R223	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R224	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R225	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	FOR VEP83459B
R225	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R226	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R226	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R227	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R227	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R228	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R229	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R229	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R230	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R231	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R232	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R233	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R234	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	FOR VEP83459B
R234	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R235	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	FOR VEP83459B
R264	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R265	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R266-68	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R269	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R270-72	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R273	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R274	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R277,78	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R280,81	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R282	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R283-98	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	16	
R299-02	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R304	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R305-09	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R310	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R312-16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R317,18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R319-25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	7	
R330-32	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R333	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R334-53	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	20	
R354-60	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R365	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R366	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R368	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R369	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R370	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R371	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R372	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R373	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R374	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R375-30	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	56	
R431,32	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R433-40	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R441-63	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	23	
R464	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R465	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R466	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R467	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R468-85	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	18	
R486	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R487	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R488,89	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R490-06	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	17	
R511	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R512	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R515-17	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R518,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R520	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R521-61	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	41	
R562	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R563	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R564-76	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	13	
R580	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R581	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R582	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R583	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R584	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R585	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R586	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R587	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R588	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R589	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R590	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R591-19	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	29	
R620,21	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R622	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R623-37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	15	
R638	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R639	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R640	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R641	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R642	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R643	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R644	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R645-64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	20	
R665,66	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R667	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R668-81	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	14	
R682	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R685	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R686	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R687	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R688,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R690	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R691-06	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	16	
R707,08	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	
R709	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R710	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R711	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R713,14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R716	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R717-19	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R725-44	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	20	
R745-47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R754-63	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R770	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R771-74	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R777	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R780	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R781	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R786-94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	9	
R830,31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R832,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R835-44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R853	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R854	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R855-57	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R858	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R859-63	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R865-87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	23	
R888,89	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R893	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R895	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R899	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R900	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R903	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R905	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R908	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R913	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R916	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R918-27	ERJ6RBD101	M.RESISTOR CH 1/10W 100	10	
R938-48	ERJ6RBD101	M.RESISTOR CH 1/10W 100	11	
R950	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R956	ERJ3RHD3740	M.RESISTOR CH 1/16W 370K	1	
R958	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R959	ERJ3RHD3740	M.RESISTOR CH 1/16W 370K	1	
R961	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R964,65	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R966,67	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
R969	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R970-76	ERJ6RED750	M.RESISTOR CH 1/10W 75	7	
R991,92	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R994	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R996	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R997	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R998	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1000-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	16	
R1016-19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R1020-35	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	16	
R1068,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R1070	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1071	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1072	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1073	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1074	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1075	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1076	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1077-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	32	
R1112-14	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R1115	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R1116	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1117-19	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R1121	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R1129	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R1130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1134	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
SW1	VSS0367-02B	SWITCH	1	FOR VEP83459B
TG1	EYF6CU	TEST POINT	1	
TG1	VJR0646	TEST POINT	1	D0X0R0000022
TG2-G6	EYF6CU	TEST POINT	5	
TP9	EYF6CU	TEST POINT	1	FOR VEP83460B
TP35	EYF6CU	TEST POINT	1	
TP41	EYF6CU	TEST POINT	1	
TP43,44	EYF6CU	TEST POINT	2	
TP110-13	EYF6CU	TEST POINT	4	
TP118,19	EYF6CU	TEST POINT	2	
TP274-78	EYF6CU	TEST POINT	5	
TP685-89	EYF6CU	TEST POINT	5	
TP694	EYF6CU	TEST POINT	1	
TP725,26	EYF6CU	TEST POINT	2	
VR1	EVM7JGA00B52	V.RESISTOR 500	1	FOR VEP83459B
VR2	EVM7JGA00B53	V.RESISTOR 5K	1	FOR VEP83459B
VR2	VRV0303B202A	V.RESISTOR 2K	1	D3EC3202A002 FOR VEP83460B
VR3	EVM7JGA00B14	V.RESISTOR 10K	1	FOR VEP83459B
VR5	EVM7JGA00B13	V.RESISTOR 1K	1	FOR VEP83459B
VR5	VRV0161B502	V.RESISTOR 5K	1	
X1	VSX1057	CRYSTAL OSCILLATOR	1	H4G1487B0001 FOR VEP83459B
X1	VSX1057	CRYSTAL OSCILLATOR	1	H4G1487B0001 FOR VEP83460B
X110	VSX0910	CRYSTAL OSCILLATOR	1	H1C1225A0005
X685	VSX0670	CRYSTAL OSCILLATOR	1	H1C3605A0002
		MISCELLANEOUS		
	VMS4950	P.C.B. POST	12	
	VJF0818	WIRE CLAMPER	1	
	VML2143	CARD PULLER	1	FOR VEP83459B
	VML2144	CARD PULLER	1	
	VSC4946	SHIELD COVER	1	
	VSC4947	SHIELD COVER	1	FOR VEP83459B

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VSC4948	SHIELD COVER	1	FOR VEP83459B
	XYN26+J6	SCREW	23	
■ E6	VEP86296C	F6 SYSCON P.C.BOARD	1	(RTL)
C6000-05	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	6	
C6006	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C6008	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6009	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6010	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C6011	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C6012,13	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6014	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C6015	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6016	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C6017	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C6018,19	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6020	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C6021	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6022	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C6023	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6027,28	ECA1CHG682	E.CAPACITOR 16V 6800U	2	
C6029	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6030,31	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C6032	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6033	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6034	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6035	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6036	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6037,38	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C6039	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C6040	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6041	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C6042	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6174,75	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6176,77	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6180	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C6181,82	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6190	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6191,92	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6193,94	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C6195-97	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6198-08	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	11	
C6240	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6241-47	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C6248	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6249-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6295-99	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	5	
C6300	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6302	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6303,04	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	2	
C6307-23	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	17	
C6343-45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6346-55	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	10	
C6390	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6391	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6392	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6393,94	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C6395	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6396	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6397	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C6398	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6399-01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6402,03	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6405-10	ECUM1C334KBN	C.CAPACITOR CH 16V 0.33U	6	
C6411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6412,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6437-48	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	12	
C6452	EEVHB1HR33	E.CAPACITOR 50V 0.33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6453,54	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6455	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C6456	EEVHB1H3R3	E.CAPACITOR 50V 3.3U	1	
C6457-61	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C6492-99	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C6522-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C6554	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6555	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6556-62	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C6563	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C6564-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6614	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6615	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6616	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6617	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C6618	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6619-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	14	
C6633	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6680	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6681	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6682-84	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6686-94	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C6729-33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6778	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6779,80	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C6781-85	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C6786	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C6787	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C6788	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C6789	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6790,91	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6792	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C6793	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C6794	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6795	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C6796	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C6797	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6798	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C6799	ECA1CAXN330	E.CAPACITOR 16V 33U	1	
C6800,01	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6802	ECA1CAXN330	E.CAPACITOR 16V 33U	1	
C6803	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C6804,05	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C6806-08	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	3	
C6809	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C6854-56	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C6871-79	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	9	
C6905-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C6917,18	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C6919,20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6921-27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	7	
C6961-63	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C6964-68	EEVHB1C470	E.CAPACITOR 16V 47U	5	
C6969-71	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C6972-84	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	13	
D6010-12	MA704A	DIODE	3	
D6013-20	MA738	DIODE	8	
D6027	MA8051-H	DIODE	1	
D6028	DE5SC4M-4061	DIODE	1	
D6029,30	MA142WK	DIODE	2	
D6031	MA147	DIODE	1	
D6032-38	MA142WK	DIODE	7	
D6039	MA3030-H	DIODE	1	
D6040-44	MA738	DIODE	5	
D6045	NSQ03A04	DIODE	1	B0JCPE000013
D6046-49	MA738	DIODE	4	
D6050	NSQ03A04	DIODE	1	B0JCPE000013
D6051-54	MA738	DIODE	4	
D6055	NSQ03A04	DIODE	1	B0JCPE000013
D6056-59	MA738	DIODE	4	
D6060	NSQ03A04	DIODE	1	B0JCPE000013
D6061,62	MA152WK	DIODE	2	
D6063	MA142WK	DIODE	1	
D6175	MA142WK	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D6176	MA8051-M	DIODE	1	
D6177	MA8043-M	DIODE	1	
D6178	MA8075-M	DIODE	1	
D6190	LN1251CAL	DIODE	1	
D6295-99	MA715	DIODE	5	
D6301	MA142WK	DIODE	1	
D6303,04	MA142WK	DIODE	2	
D6343,44	MA715	DIODE	2	
D6345	MA142WK	DIODE	1	
D6346-48	MA715	DIODE	3	
D6557	LN1251CAL	DIODE	1	
D6614	LN1251CAL	DIODE	1	
D6680	LN1251CAL	DIODE	1	
D6778-81	MA147	DIODE	4	
D6898	MA147	DIODE	1	
D6899	MA715	DIODE	1	
IC6010	NJM78L09UA	IC	1	C0CBAHC00002
IC6011	NJM79L09UA	IC	1	C0CABBF00001
IC6012	XC62FP3302P	IC	1	
IC6013	MC14538BF	IC	1	C0JBAM000009
IC6027	NJM2904M	IC	1	
IC6028-30	MC14538BF	IC	3	C0JBAM000009
IC6031	NJM2904M	IC	1	
IC6174	LVX3245QSC	IC	1	
IC6175,76	BA6238AN	IC	2	C0GAK0000007
IC6190	KL5C80A12CFP	IC	1	
IC6191	VSI3751A	I/F ROM	1	
IC6192	TVHT541FT	IC	1	
IC6193	IDT71321L55F	IC	1	C3HBCC000002
IC6194	TVHT245F	IC	1	
IC6195	CY7C19920ZC	IC	1	
IC6196	TVHC138FT	IC	1	
IC6197	C0JBAB000196	IC	1	
IC6198	74F32SJ	IC	1	
IC6199	74F08SJ	IC	1	
IC6200	74F32SJ	IC	1	
IC6201	74F08SJ	IC	1	
IC6202	TVHC74FT	IC	1	
IC6203	TVHC08FT	IC	1	
IC6204	74F00SJ	IC	1	C0JBCC000037
IC6233	Z84C4310FEC	IC	1	C2ZBZ0000312
IC6234,35	TVHC126FT	IC	2	
IC6236-38	SN75C1168NS	IC	3	
IC6239	MBF8TA90PFTS	IC	1	C3FBLD000029
IC6240	74F244SJ	IC	1	
IC6241	74F32SJ	IC	1	
IC6295	TE7751	IC	1	C1ZBZ0000156
IC6296	TVHT245F	IC	1	
IC6297,98	TVHC165FT	IC	2	
IC6299	TC74HC4094AF	IC	1	
IC6300,01	TVHC165FT	IC	2	
IC6302,03	TC74HC4094AF	IC	2	
IC6305	74F32SJ	IC	1	
IC6306	SN74LS38NS	IC	1	
IC6307	C0JBAB000196	IC	1	
IC6308	TC74HC4050AF	IC	1	
IC6309	TVHC00FT	IC	1	
IC6341	TC74HC4024AF	IC	1	C0JBAK000142
IC6342	TVHC74FT	IC	1	
IC6343	TE7751	IC	1	C1ZBZ0000156
IC6344,45	T74HC191AF	IC	2	
IC6346	TVHC574FT	IC	1	
IC6347-50	TVHC165FT	IC	4	
IC6351	TC74HC4050AF	IC	1	
IC6352	TC74HC4094AF	IC	1	
IC6390	Z84C4310FEC	IC	1	C2ZBZ0000312
IC6391	C0JBAB000196	IC	1	
IC6392	TC74HC4040AF	IC	1	C0JBAK000098
IC6393	THC4053FT	IC	1	
IC6394	T74VHCU04F	IC	1	
IC6395	SN75C1168NS	IC	1	
IC6396	TVHT244F	IC	1	
IC6397	MC1488M	IC	1	C1DB00000056
IC6398	MC1489AM	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6439-42	IDT71V124SAP	IC	4	
IC6453	S80730ANDT	IC	1	
IC6454	TL7705CPSB	IC	1	C0EBS0000002
IC6492	IDT71V321L5F	IC	1	C3HBCC000023
IC6493	IDTLVC16245F	IC	1	
IC6494	SN74S1053NS	IC	1	
IC6495	IDT71V321L5F	IC	1	C3HBCC000023
IC6496	IDTLVC16245F	IC	1	
IC6497	SN74S1053NS	IC	1	
IC6522,23	TLCX245FT	IC	2	
IC6524	IDTLVC16245F	IC	1	
IC6525	SN74S1053NS	IC	1	
IC6526	IDT71V321L5F	IC	1	C3HBCC000023
IC6527	IDTLVC16245F	IC	1	
IC6528	SN74S1053NS	IC	1	
IC6529	TLCX04F	IC	1	
IC6555	TLCX125FT	IC	1	
IC6615	T74VHCU04F	IC	1	
IC6616	TLCX125FT	IC	1	
IC6617,18	TLCX245FT	IC	2	
IC6682	TVHC541FT	IC	1	
IC6730	TVHC541FT	IC	1	
IC6778	MN51040VPI	IC	1	
IC6779	THC4053FT	IC	1	
IC6780	NJM2068MD	IC	1	C0ABBB000031
IC6781	UPC4741G2	IC	1	
IC6782	NJM4560MD	IC	1	C0ABBB000116
IC6783	NJM319M	IC	1	C0BBBA000026
IC6854-56	IDT71V321L5F	IC	3	C3HBCC000023
IC6871	LVX3245QSC	IC	1	
IC6873-76	TVHT541FT	IC	4	
IC6877	LVX3245QSC	IC	1	
IC6898-02	TVHC541FT	IC	5	
IC6903	LVX3245QSC	IC	1	
IC6904	NJM2901M	IC	1	C0BBCA000008
IC6961	TLCX04F	IC	1	
IC6962	TVHC08FT	IC	1	
IC6963	TVHC00FT	IC	1	
IC6964-67	LVX3245QSC	IC	4	
IC6968,69	STK12C68S45	IC	2	
IC6970	TLCX245FT	IC	1	
IC6971	IDTLVC16245F	IC	1	
IC6972	SN74S1053NS	IC	1	
IC6973	TLCX245FT	IC	1	
ID6452	VVVSI3334A	SOFTWARE	1	
ID6962	VVVSI3707	SYSCON FLASH	1	
ID6963	VVVSI3706	DV_PB FLASH	1	
ID6964	VVVSI3705	DV_REC FLASH	1	
IP6452	X9036L7V64	IC	1	
IP6554	M32160F4UFP	IC	1	
IP6614	M32160F4UFP	IC	1	
IP6680	M32160F4UFP	IC	1	
IP6729	X9144L7T144	IC	1	
IS503	VJS2336A032	CONNECTOR (FEMALE)	1	K3E032C00033
L6010	VLQ0319K470	COIL 47UH	1	G1C470K00013
L6011-15	VLF1151A132	COIL	5	
L6240-43	VLQ0576	COIL	4	
P6001,02	K1KAE8B00001	CONNECTOR (MALE)	2	
P6003	K1KAA0B00036	CONNECTOR (MALE)	1	
P6452	VJP3125B008	CONNECTOR (MALE)	1	
P6961-64	VJS3791B020	CONNECTOR (FEMALE)	4	
Q6010	2SB710A-R	TRANSISTOR	1	
Q6011	2SB766-R	TRANSISTOR	1	
Q6012	2SD601A-R	TRANSISTOR	1	
Q6013,14	2SB1073-R	TRANSISTOR	2	
Q6015	2SD601A-R	TRANSISTOR	1	
Q6016	2SB709A-R	TRANSISTOR	1	
Q6017,18	2SD1119-R	TRANSISTOR	2	
Q6019	2SB709A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q6020	2SB766-R	TRANSISTOR	1	
Q6027	2SD601A-R	TRANSISTOR	1	
Q6028	2SB936A-Q	TRANSISTOR	1	
Q6029	2SD601A-R	TRANSISTOR	1	
Q6030	2SB936A-Q	TRANSISTOR	1	
Q6031	2SD601A-R	TRANSISTOR	1	
Q6032,33	2SB1073-R	TRANSISTOR	2	
Q6034	2SD601A-R	TRANSISTOR	1	
Q6035	2SB709A-R	TRANSISTOR	1	
Q6036,37	2SD1119-R	TRANSISTOR	2	
Q6038	2SB709A-R	TRANSISTOR	1	
Q6039	2SD601A-R	TRANSISTOR	1	
Q6040,41	2SB1073-R	TRANSISTOR	2	
Q6042	2SD601A-R	TRANSISTOR	1	
Q6043	2SB709A-R	TRANSISTOR	1	
Q6044,45	2SD1119-R	TRANSISTOR	2	
Q6046	2SB709A-R	TRANSISTOR	1	
Q6047	2SD601A-R	TRANSISTOR	1	
Q6048,49	2SB1073-R	TRANSISTOR	2	
Q6050	2SD601A-R	TRANSISTOR	1	
Q6051	2SB709A-R	TRANSISTOR	1	
Q6052,53	2SD1119-R	TRANSISTOR	2	
Q6054	2SB709A-R	TRANSISTOR	1	
Q6055	2SD601A-R	TRANSISTOR	1	
Q6056,57	2SB1073-R	TRANSISTOR	2	
Q6058	2SD601A-R	TRANSISTOR	1	
Q6059	2SB709A-R	TRANSISTOR	1	
Q6060,61	2SD1119-R	TRANSISTOR	2	
Q6062	2SB709A-R	TRANSISTOR	1	
Q6063,64	2SD601A	TRANSISTOR	2	
Q6778,79	2SB709A-R	TRANSISTOR	2	
QR6010	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
QR6011	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR6012,13	DTC114YUA106	TRANSISTOR	2	B1GBCFJN0009
QR6014,15	UN5113	TRANSISTOR-RESISTOR	2	
QR6016	DTC114YUA106	TRANSISTOR	1	B1GBCFJN0009
QR6017	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR6027	UN5213	TRANSISTOR-RESISTOR	1	
QR6028-39	DTC114YUA106	TRANSISTOR	12	B1GBCFJN0009
QR6040	UN5213	TRANSISTOR-RESISTOR	1	
QR6041,42	DTC114YUA106	TRANSISTOR	2	B1GBCFJN0009
QR6043	UN5213	TRANSISTOR-RESISTOR	1	
QR6045-52	UN5113	TRANSISTOR-RESISTOR	8	
QR6053	UN5214	TRANSISTOR-RESISTOR	1	
QR6054	UN5113	TRANSISTOR-RESISTOR	1	
QR6174-77	UN5213	TRANSISTOR-RESISTOR	4	
QR6190	UN5213	TRANSISTOR-RESISTOR	1	
QR6557-59	UN5213	TRANSISTOR-RESISTOR	3	
QR6614	UN5213	TRANSISTOR-RESISTOR	1	
QR6680	UN5213	TRANSISTOR-RESISTOR	1	
R6000	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R6001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6002	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6003	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6004-06	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6007	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6008	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R6009	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6010	ERG1SJ220	M.RESISTOR 1W 22	1	
R6011	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R6012	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6013,14	ERJ8GEYJ151	M.RESISTOR CH 1/8W 150	2	
R6015,16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6019	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R6020,21	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R6022	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R6023	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6024-26	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6027,28	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R6029	ERJ8GEYJ152	M.RESISTOR CH 1/8W 1.5K	1	
R6030	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6031-33	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	3	
R6034	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6035	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6036	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6037	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6039	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6040	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R6042,43	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R6044-51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	
R6052	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6053	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R6054	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6055,56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6057-59	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	3	
R6061	ERJ8GEYJ152	M.RESISTOR CH 1/8W 1.5K	1	
R6062	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6064	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R6066,67	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R6068	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6069	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6070,71	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6072	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6073	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6074	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6075-77	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6078	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6079,80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6081	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6082-84	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6085	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6086	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6087	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6088,89	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6090	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6091	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6092-94	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	3	
R6095	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6096	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6097,98	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6099	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6100	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6101	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6102-04	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6105	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6106,07	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6108	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6109-11	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6112	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6113	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6114	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6115,16	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6117	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6118	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6119-21	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	3	
R6122	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6123	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6124,25	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6126	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6127	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6128	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6129-31	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6132	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6133,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6135	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6136-38	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6139	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6140	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6141	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6142,43	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6144	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6145	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6146-48	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	3	
R6149	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6150	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6151	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6152	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6153	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6154	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6155,56	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6157	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6158,59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6160	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6161,62	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	2	
R6163	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6164	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6165	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R6166	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6167	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6168	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6169,70	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	2	
R6171,72	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R6174	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6175	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6176,77	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	2	
R6178	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6180	ERX1SJ1R0	M.RESISTOR 1W 1.0	1	
R6181	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6184	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6185	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R6186	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R6187-89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6190	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6191	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R6194-09	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	16	
R6211-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R6215,16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6218-25	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	8	
R6226	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6227	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6229	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6230,31	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6232	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6233-35	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	3	
R6236	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6237	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6238	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6239	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6240	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6241	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6242	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6247,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6249-56	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	8	
R6257-60	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6263,64	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R6265-68	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R6269-72	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6275,76	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R6277,78	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6279,80	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6281	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6282	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6283	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6285-91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R6292	ERJ8GEYJ391	M.RESISTOR CH 1/8W 390	1	
R6293	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6294-99	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	6	
R6300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6301,02	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6304	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6305	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6306-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R6311-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R6316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6319	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6321	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6322	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6323	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6325	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R6326	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6327	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R6329	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6330,31	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R6332	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6335-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R6340,41	ERJ12YJ3R3	M.RESISTOR CH 1/2W 3.3	2	
R6342	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6343,44	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6345-47	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6348	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R6349	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6350-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	8	
R6366-73	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	8	
R6374-78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R6379	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6380	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6381	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6382-84	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R6385-90	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R6391	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6393,94	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6395,96	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6397	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6399-02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R6403	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6404	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6405	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R6406-09	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6411,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6413,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6415	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6416	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6418	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6421	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6422-25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R6426-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R6431,32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6434,35	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6436-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R6440-43	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	4	
R6444	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6447	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6450-58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	9	
R6460	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6462	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6463	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6464,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6466	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6467	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6468	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6469-71	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R6472	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6473	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6474-76	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R6477,78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6479	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6480	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6481	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R6482-84	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6485	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6486-88	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6489	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6490	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6491	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6492-95	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R6496-99	EXB24V100J	COMBI.R-R 10	4	
R6501-03	EXB24V100J	COMBI.R-R 10	3	
R6504	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6505-08	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R6509	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6510-17	EXB24V100J	COMBI.R-R 10	8	
R6518	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6521	EXB24V100J	COMBI.R-R 10	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6522-26	EXB24V103J	COMBI.R-R 10K	5	
R6528-30	EXB24V103J	COMBI.R-R 10K	3	
R6531-35	EXB24V100J	COMBI.R-R 10	5	
R6537-40	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	4	
R6541-48	EXB24V100J	COMBI.R-R 10	8	
R6549	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6550	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6551	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6552	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6554	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6555	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6556	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6557-59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R6560	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6561-64	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6565	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6566	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6567	EXB24V103J	COMBI.R-R 10K	1	
R6568	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6569	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6571	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6572-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R6576	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6577	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6581,82	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R6583-87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R6588	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6589,90	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6591-95	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R6596	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6597	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6598-01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R6604	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6605	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6607	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6609-11	EXB24V100J	COMBI.R-R 10	3	
R6612,13	EXB24V103J	COMBI.R-R 10K	2	
R6614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6616	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6617	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6618	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6619	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6620	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6622	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6623-25	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R6626	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6627,28	EXB24V101J	COMBI.R-R 100	2	
R6629	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6630-35	EXB24V101J	COMBI.R-R 100	6	
R6636-38	EXB24V103J	COMBI.R-R 10K	3	
R6642-45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R6646-48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6650,51	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6652	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6653	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6654-56	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R6657	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6658	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6659	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6660-62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6663-66	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R6667,68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6669	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6670	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6671-74	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R6676	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6677,78	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6679	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6680	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6681	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6682-89	EXB24V101J	COMBI.R-R 100	8	
R6690-92	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6694	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6696	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6700-02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6703-06	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R6707	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6708	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6709-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R6712-14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6715	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6716,17	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6718	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R6719-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	7	
R6726-28	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6729,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6731,32	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6733-35	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R6736,37	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6738	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6739	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6740	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6741-44	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R6745-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6749	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6750	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6751	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6752	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R6754-61	EXB24V103J	COMBI.R-R 10K	8	
R6778	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6779	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6780-82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6784-86	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	3	
R6789	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6791	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6792	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6793	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6794	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6795	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R6796,97	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R6798	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R6799	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6800	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6801	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6802	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R6803	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6804,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R6806	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R6807	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R6808	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R6809	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R6810	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R6811	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6812	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R6813	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6816	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6817	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6818,19	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	2	
R6820	ERJ6RBD562	M.RESISTOR CH 1/10W 5.6K	1	
R6821	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R6822	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R6823	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6825,26	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	2	
R6827	ERJ6RBD512	M.RESISTOR CH 1/10W 5.1K	1	
R6828	ERJ6RBD562	M.RESISTOR CH 1/10W 5.6K	1	
R6829	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6830	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R6832	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R6833	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6834	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R6835,36	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	2	
R6837	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6838	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R6839,40	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	2	
R6841	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6843	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6844	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6845	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R6846,47	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6848	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6849,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6851	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6852	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6853	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	
R6854	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6855,56	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6857,58	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6859	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R6860	ERJ3GEYJ363	M.RESISTOR CH 1/16W 36K	1	
R6861,62	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6863	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R6864	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6866,67	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6871	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6872	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6873	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6874-76	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R6877	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6878	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6879-82	EXB24V473J	COMBI.R-R 47K	4	
R6883-90	EXB24V103J	COMBI.R-R 10K	8	
R6891-95	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R6898	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6899	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6900-04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R6905-09	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R6910	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6911	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R6914,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6916	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6917	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6918	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6919	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6920	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6921	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6922	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6923	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6924	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6925	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6926	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6927	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6928	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6929	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6930	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6931	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6932	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6933	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6934	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6935	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6936	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6937	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6938	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6939-47	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	9	
R6949-53	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R6954	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6955-59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R6960	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6961-65	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R6966,67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6968	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6969	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R6970,71	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6972,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R6974,75	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6976	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6977	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6978	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6979	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6981,82	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6983	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6984	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6985	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6986-92	EXB24V101J	COMBI.R-R 100	7	
R6993	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6996	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6997,98	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
RY6027	VSY2070	RELAY	1	
SW6343	VSS0367-08B	SWITCH	1	
SW6452	VSS0367-04B	SWITCH	1	
TG6010-13	EYF6CU	TEST POINT	4	
TP6392,93	EYF6CU	TEST POINT	2	
TP6554-64	EYF6CU	TEST POINT	11	
TP6614-32	EYF6CU	TEST POINT	19	
TP6680-86	EYF6CU	TEST POINT	7	
TP6688	EYF6CU	TEST POINT	1	
TP6729	EYF6CU	TEST POINT	1	
TP6778-80	EYF6CU	TEST POINT	3	
TP6899-01	EYF6CU	TEST POINT	3	
TP6961	EYF6CU	TEST POINT	1	
X6190	VSX0821	CRYSTAL OSCILLATOR	1	H0J160500014
X6390	VSX0541	CRYSTAL OSCILLATOR	1	H2A614300003
X6614	VSX0641	CRYSTAL OSCILLATOR	1	
X6778	VSX1001	CRYSTAL OSCILLATOR	1	H2C143500002
		MISCELLANEOUS		
	M27C400110F1	IC	1	
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E7	VEP82225B	F7 SERVO P.C.BOARD	1	(RTL)
■	VEP81216A	DCDC SUB P.C.BOARD	1	(RTL)FOR VEP82225B
C1000	ECUM1H473KBN	C.CAPACITOR CH 50V 0.047U	1	
C1002	VCEA1ASC4R7M	E.CAPACITOR 10V 4.7U	1	F2D1A4R70002
C1003	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C1004	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C1005	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C1006	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C1007	VCEA1AAP221	E.CAPACITOR 10V 220U	1	F2D1A2210001
C1008	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C1009	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1010	EEUFC1E221	E.CAPACITOR 16V 220U	1	
C1011	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C1012	VCEA1DAP101	E.CAPACITOR 20V 100U	1	
C1013	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C1014	EEVHB1C101	E.CAPACITOR 25V 100U	1	
C1015,16	ECUX1E105KBM	C.CAPACITOR CH 25V 1U	2	
C1017	EEVHB1C101	E.CAPACITOR 25V 100U	1	
C1018	VCEA1DAP330	C.CAPACITOR 20V 33P	1	
C1019	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C1020	VCEA1AAP680	E.CAPACITOR 10V 68U	1	F2D1A6800003
C1021	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C1022	EEVHB1C101	E.CAPACITOR 25V 100U	1	
C1023	VCEA1DAP220	E.CAPACITOR 20V 22U	1	F2D1D2200003
C1024	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C1025	VCEA1CAP470	C.CAPACITOR 16V 47P	1	
C1026	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C1051	EEVHB1V100	E.CAPACITOR 35V 10U	1	
C2000,01	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2002	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C2003	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C2004,05	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C2006,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2009,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C2011	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C2012-18	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	7	
C2019	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2020	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2021	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2022	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C2023	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2024-28	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C2029	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2030,31	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2100	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2101,02	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C2103,04	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C2105	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2106,07	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C2108,09	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2110,11	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C2112	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2113,14	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C2115,16	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2150	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2151,52	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C2153,54	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C2155	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2156,57	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C2158,59	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2160,61	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C2162	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2163,64	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C2165	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2200	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2201,02	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C2203,04	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C2205	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2206,07	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C2208	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2209,10	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C2211	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2212,13	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C2214	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2250,51	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C2252	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2253	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C2254	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C2255	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2256	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2257	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2258	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C2259	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C2260	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2261	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C2262	ECUX1H123KBV	C.CAPACITOR CH 50V 0.012U	1	
C2263	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C2264-67	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2269,70	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2300-02	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C2303	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C2304	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C2305,06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C2307,08	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C2309,10	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2312,13	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C2314-16	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C2317,18	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	2	
C2319,20	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C2321-28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	8	
C2329	ECKF1H821KB	C.CAPACITOR 50V 820P	1	
C2400-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	9	
C2450-52	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2453	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C2454	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2455-59	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C2460	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C2461	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2462	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C2463	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C2464	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2465	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2466	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C2467	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C2468	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	1	
C2469	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C2470	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2472	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2473	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C2474	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C2550	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2551	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C2552,53	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2554	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C2555	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2556	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C2557-59	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2560	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2561	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2562	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2563,64	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2565	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2566,67	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2568	EEVHB1E330P	E.CAPACITOR 25V 33U	1	
C2569	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2570,71	EEVHB1H1R0	E.CAPACITOR 50V 1U	2	
C2574	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C2575	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2576	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C2577-80	ECA1CHG332	C.CAPACITOR 16V 3300U	4	
C2581	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2582	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2600	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2601	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C2602	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2603,04	EEUFC1J101	E.CAPACITOR 63V 100U	2	
C2605	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C2606	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C2607	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2608	EEUFC1C271	E.CAPACITOR 16V 270U	1	
C2609	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2610	EEUFC1C271	E.CAPACITOR 16V 270U	1	
C2611	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	1	
C2612	EEUFC1C271	E.CAPACITOR 16V 270U	1	
C2613-15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2650	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2651-54	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2655,56	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C2657	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2659-61	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C2662	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2663-66	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C2667,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C2669	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C2670	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2671-73	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C2674	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2700	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C2701	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C2702-04	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	3	
C2705	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	1	
C2706,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2708	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2709	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2710	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C2711	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C2712	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2713	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C2714-16	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2717	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2718-20	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	3	
C2721	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2722,23	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2724,25	ECUX1C274KBN	C.CAPACITOR CH 16V 0.27U	2	
C2726	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C2800	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C2801	EEUFC1J101	E.CAPACITOR 63V 100U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2802-04	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	3	
C2805	ECUX1H681KBV	C.CAPACITOR CH 50V 680P	1	
C2806,07	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C2808	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2809	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2810	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C2811	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C2812	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C2813	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C2814-16	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C2817	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2818-20	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	3	
C2821	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C2822,23	ECUX1C274KBN	C.CAPACITOR CH 16V 0.27U	2	
C2827,28	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C2829,30	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
D1000	MA142K	DIODE	1	
D1001	DE5SC4M-4061	DIODE	1	
D1002,03	MA142WK	DIODE	2	
D1004	MA3068-M	DIODE	1	
D1005	MA142K	DIODE	1	
D1006,07	DE5SC4M-4061	DIODE	2	
D1051	MA142WK	DIODE	1	
D1052	MA3062M	DIODE	1	
D2000,01	MA147	DIODE	2	
D2002-05	MA8075-H	DIODE	4	
D2006,07	MA142K	DIODE	2	
D2008	MA147	DIODE	1	
D2100-03	MA147	DIODE	4	
D2150-53	MA147	DIODE	4	
D2200-03	MA147	DIODE	4	
D2300,01	MA147	DIODE	2	
D2450-52	LN1251CAL	DIODE	3	
D2453	MA142K	DIODE	1	
D2454-60	MA147	DIODE	7	
D2461-65	MA8047-H	DIODE	5	
D2467,68	MA147	DIODE	2	
D2550-56	MA704A	DIODE	7	
D2557	DE5SC4M-4061	DIODE	1	
D2558	MA704A	DIODE	1	
D2559,60	MA152WK	DIODE	2	
D2600	SFPB-76V	DIODE	1	
D2601	MA728	DIODE	1	
D2602	MA736	DIODE	1	
D2650-61	MA738	DIODE	12	
D2700	SFPB-76V	DIODE	1	
D2701	MA142K	DIODE	1	
D2702	MA142WK	DIODE	1	
D2703-08	SFPB-76V	DIODE	6	
D2709-14	MA142K	DIODE	6	
D2800	SFPB-76V	DIODE	1	
D2801	MA142K	DIODE	1	
D2802	MA142WK	DIODE	1	
D2803-08	SFPB-76V	DIODE	6	
D2809-14	MA142K	DIODE	6	
D2815,16	MA147	DIODE	2	
FL2550-54	VLF0576	FILTER	5	J0HACH000011
FL2556	VLF0576	FILTER	1	J0HACH000011
IC1000	SB3032P	IC	1	C0DBEZH00004
IC1001	UPC24A12HF	IC	1	C0CAAKG00007
IC1002,03	LT1170CQ	IC	2	
IC2000	TVHC14FT	IC	1	
IC2001	NJM082BM	IC	1	C0ABEB000017
IC2002	TC4052BF	IC	1	
IC2003	NJM082BM	IC	1	C0ABEB000017
IC2004	AD633JR	IC	1	C0ZBZ0000158
IC2005-07	NJM082BM	IC	3	C0ABEB000017
IC2100,01	UPC4741G2	IC	2	
IC2102	NJM2901M	IC	1	C0BBCA000008
IC2103	TVHC14FT	IC	1	
IC2150,51	UPC4741G2	IC	2	
IC2152	NJM2901M	IC	1	C0BBCA000008

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC2200,01	UPC4741G2	IC	2	
IC2250	NJM4580ED	IC	1	C0ABBB000123
IC2251	NJM2903M	IC	1	C0BBBA000019
IC2252	NJM4580ED	IC	1	C0ABBB000123
IC2253	TVHC14FT	IC	1	
IC2254	MC14538BF	IC	1	C0JBAM000009
IC2255	UPC4741G2	IC	1	
IC2300	MN1030F04K	IC	1	
IC2301,02	T74LCX244F	IC	2	
IC2303	NJM082BM	IC	1	C0ABEB000017
IC2304	T74VHCU04F	IC	1	
IC2305-07	T74LCX244F	IC	3	
IC2401	T74LCX244F	IC	1	
IC2450	IDT71V321L5F	IC	1	C3HBCC000023
IC2451,52	SN74S1051NS	IC	2	
IC2453	LTC1660IGN	IC	1	C0FBBF000026
IC2454	MC14053BF	IC	1	
IC2455-57	UPC4741G2	IC	3	
IC2458	NJM4558M	IC	1	C0ABBB000044
IC2550,51	NJM78L09UA	IC	2	C0CBAHC00002
IC2552	NJM78L05UA	IC	1	C0CBADC00010
IC2553	XC62FP3302P	IC	1	
IC2554,55	NJM79L09UA	IC	2	C0CABBF00001
IC2556	NJM79L05UA	IC	1	C0CBBDC00001
IC2557	AN78N05	IC	1	
IC2600	NJM2903M	IC	1	C0BBBA000019
IC2601	MN13821-S	IC	1	
IC2650,51	AN3890FBS	IC	2	
IC2700	AN3891FBP	IC	1	
IC2701,02	NJM4558M	IC	2	C0ABBB000044
IC2703	NJM2903M	IC	1	C0BBBA000019
IC2800	AN3891FBP	IC	1	
IC2801,02	NJM4558M	IC	2	C0ABBB000044
IC2803	TC4052BF	IC	1	
ID2302	VVVSI3750	SERVO FLASH	1	
ID2400	VVVSI3489	SERVO PLD	1	
IP2400,01	X9144L7T100	IC	2	
L1000	VLQ0859M220	COIL 22UH	1	
L1001	VLQ0504100M	COIL 10UH	1	G0A100J00003
L1002,03	VLQ0655M3R3	COIL 3.3U	2	
L1004	VLQ0784470	COIL	1	
L1005,06	VLQ0655M3R3	COIL 3.3U	2	
L1007	VLQ0784470	COIL	1	
L1008	VLQ0655M3R3	COIL 3.3U	1	
L2600	VLQ0859M680	COIL 68UH	1	
L2601,02	VLQ0859M151	COIL 150UH	2	
L2603	VLQ0651M120	COIL 12UH	1	
L2604	VLQ0859M151	COIL 150UH	1	
L2700,01	VLQ0859M151	COIL 150UH	2	
L2800,01	VLQ0859M151	COIL 150UH	2	
P1,P2	K1KAE8B00001	CONNECTOR (MALE)	2	
P3	K1KAA0B00036	CONNECTOR (MALE)	1	
P2302	VJS3791B020	CONNECTOR (FEMALE)	1	
P2400	VJP3125B008	CONNECTOR (MALE)	1	
Q1000	TM3111	TRANSISTOR	1	B1DFED000008
Q1001	TM3115	TRANSISTOR	1	B1DFGD000010
Q1002,03	2SD601A-R	TRANSISTOR	2	
Q1004,05	2SB709A-R	TRANSISTOR	2	
Q2000	2SD601A	TRANSISTOR	1	
Q2001,02	2SB709A	TRANSISTOR	2	
Q2003	2SD601A	TRANSISTOR	1	
Q2004	2SB709A	TRANSISTOR	1	
Q2005	2SD601A	TRANSISTOR	1	
Q2550-53	2SD601A	TRANSISTOR	4	
Q2600	2SB934PQDS	TRANSISTOR	1	
Q2601,02	2SD1819A-R	TRANSISTOR	2	
Q2603	2SB1073	TRANSISTOR	1	
Q2650	PU3110	TRANSISTOR	1	
Q2651	PU3210	TRANSISTOR	1	
Q2652	PU3110	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q2653	PU3210	TRANSISTOR	1	
Q2700	2SB934PQDS	TRANSISTOR	1	
Q2701	2SB710A-S	TRANSISTOR	1	
Q2702-04	2SD2185	TRANSISTOR	3	
Q2705	PU3210	TRANSISTOR	1	
Q2706	PU3117	TRANSISTOR	1	
Q2707	2SD2185	TRANSISTOR	1	
Q2708	2SD601A	TRANSISTOR	1	
Q2800	2SB934PQDS	TRANSISTOR	1	
Q2801	2SB710A-S	TRANSISTOR	1	
Q2802-04	2SD2185	TRANSISTOR	3	
Q2805	PU3210	TRANSISTOR	1	
Q2806	PU3117	TRANSISTOR	1	
Q2807	2SD2185	TRANSISTOR	1	
QR1000,01	UN2211	TRANSISTOR-RESISTOR	2	
QR2000	UN5213	TRANSISTOR-RESISTOR	1	
QR2001	UN5113	TRANSISTOR-RESISTOR	1	
QR2002	UN5215	TRANSISTOR-RESISTOR	1	
QR2003	UN5115	TRANSISTOR-RESISTOR	1	
QR2004-07	UN5213	TRANSISTOR-RESISTOR	4	
QR2100	UN5213	TRANSISTOR-RESISTOR	1	
QR2101	UN5113	TRANSISTOR-RESISTOR	1	
QR2102	UN5213	TRANSISTOR-RESISTOR	1	
QR2103	UN5113	TRANSISTOR-RESISTOR	1	
QR2104	UN5213	TRANSISTOR-RESISTOR	1	
QR2150	UN5213	TRANSISTOR-RESISTOR	1	
QR2151	UN5113	TRANSISTOR-RESISTOR	1	
QR2152	UN5213	TRANSISTOR-RESISTOR	1	
QR2153	UN5113	TRANSISTOR-RESISTOR	1	
QR2154	UN5213	TRANSISTOR-RESISTOR	1	
QR2200	UN5213	TRANSISTOR-RESISTOR	1	
QR2201	UN5113	TRANSISTOR-RESISTOR	1	
QR2202	UN5213	TRANSISTOR-RESISTOR	1	
QR2203	UN5113	TRANSISTOR-RESISTOR	1	
QR2204	UN5213	TRANSISTOR-RESISTOR	1	
QR2450-52	UN5213	TRANSISTOR-RESISTOR	3	
QR2453-56	UN5215	TRANSISTOR-RESISTOR	4	
QR2600	UN5213	TRANSISTOR-RESISTOR	1	
QR2650	UN5213	TRANSISTOR-RESISTOR	1	
QR2651	UN5217	TRANSISTOR-RESISTOR	1	
QR2652	UN5211	TRANSISTOR-RESISTOR	1	
QR2800	UN5215	TRANSISTOR-RESISTOR	1	
R1002	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R1003	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1004	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1005	ERJ6GEYG474	M.RESISTOR CH 1/10W 470K	1	
R1006,07	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	
R1008	ERJ6GEYJ3R3	M.RESISTOR CH 1/10W 3.3	1	
R1009	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1010	VRE0202H22M	M.RESISTOR	1	
R1011	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1013	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1015	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R1017	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1018,19	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1020	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R1021,22	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1023	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R1024	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1025	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R1026,27	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R1028	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R1031	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1050	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R1051,52	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R2000-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R2004,05	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R2006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2007	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2008,09	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R2010	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2011,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2013,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2015	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2016	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R2017	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2018	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2019	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R2020	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R2021	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2023,24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2025	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R2027	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2028	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2029-33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R2034,35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2037	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R2038	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R2039	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2040	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2042	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R2043	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R2044	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R2045	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2046	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2047	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R2048	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R2049	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R2050	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2051	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2052	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2053,54	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R2055	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2056	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2057	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2058	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2059	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2060	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2062	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2063	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R2064	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R2065	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R2066	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2067,68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2100,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2102,03	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R2104,05	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R2106,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2108	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2109	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2110	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2111	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2112	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2113	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2114	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2115	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2116	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2117,18	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R2119,20	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2122	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2123	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2124	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2125	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2126	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2127	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2128	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2129	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2150,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2152,53	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R2154,55	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R2156,57	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2158	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2159	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2160	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2161	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2162	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2163	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2164	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2165	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2166	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2167,68	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R2169,70	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2171	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2172	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2173	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2174	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2175	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2176	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2177	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2178	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2179	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2180-83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R2200,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R2202,03	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R2204,05	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R2206,07	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2208	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2209	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2211	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2212	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2213	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2214	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2215	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2216	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2217,18	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	2	
R2219,20	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2221	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2222	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2223	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2224	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R2225	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2226	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R2227	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2228	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2229	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2250,51	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R2252	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2253	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R2254	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2255	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R2256	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2257	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2258,59	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R2260	ERJ3GEYJ621	M.RESISTOR CH 1/16W 620	1	
R2261	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R2263	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R2265	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2266	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R2267	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R2268	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2269	ERJ3GEYJ433	M.RESISTOR CH 1/16W 43K	1	
R2270	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R2271-75	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	5	
R2276	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2278-82	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R2283,84	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R2300	ERJ3GEYJ120	M.RESISTOR CH 1/16W 12	1	
R2301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2302,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2307	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2309	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2311-13	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R2314	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R2315	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R2317	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2324	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2326-31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R2332-35	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R2336,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2338	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2339,40	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2342	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2343	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2344	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2345,46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R2347	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2349	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2350	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2351	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2353-55	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R2359,60	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2361-64	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R2365	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2366	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2367	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2368	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2369,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2402	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2403-05	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R2406	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2408	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R2409-14	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	6	
R2415	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2416,17	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R2418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2419-21	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R2422	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2450-54	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R2455	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2456,57	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R2458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2459-61	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	3	
R2462	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R2464,65	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2466	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2467	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R2468	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R2469	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2470,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2472-77	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R2478-80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R2481	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2482	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R2483	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R2484	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2485	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R2486	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R2487	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2488	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R2489	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R2490	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2491	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R2492	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R2493	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2494	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2495	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R2496	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R2497	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2498,99	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R2500	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2501	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R2502	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2503,04	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	2	
R2505	ERJ6RBD104	M.RESISTOR CH 1/10W 100K	1	
R2506	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R2507	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2508	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2509	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R2510,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2512,13	ERJ3RBD151	M.RESISTOR CH 1/16W 150	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2514,15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2516	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2517	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R2518,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2520,21	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R2522,23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2550	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2551,52	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R2553	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2554-57	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R2558,59	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R2560	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2563	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2600	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2601	ERJ12YJ471	M.RESISTOR CH 1/2W 470	1	
R2602	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2603	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R2604	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R2605,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2607	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R2608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2609	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2610	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2611	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2612	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2613,14	ERJ12YJ222	M.RESISTOR CH 1/2W 2.2K	2	
R2615	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2616	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R2617	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R2618,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R2650,51	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2652	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R2653	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R2654	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2655,56	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R2657-59	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R2660,61	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R2662	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R2663	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R2664	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R2665	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R2666-68	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	3	
R2669,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R2700	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2701	ERJ12YJ471	M.RESISTOR CH 1/2W 470	1	
R2702	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2703	ERJ6GEYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2704	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2705	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2706	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2707-09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R2710-12	ERJ14YJ680	M.RESISTOR CH 1/4W 68	3	
R2713	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2714	ERJ12RQJR22	M.RESISTOR CH 1/2W 0.22	1	
R2715-17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2718	ERG2SJ122	M.RESISTOR 2W 1.2K	1	
R2719	ERJ12YJ560	M.RESISTOR CH 1/2W 56	1	
R2720	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2721-24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R2725	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2726	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2727	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2728	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R2729	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R2730	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R2731	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R2732	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2733	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2734	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R2735	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R2736	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R2737	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2738	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R2739	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2740	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2741,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R2743	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R2744	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2745	ERJ12YJ121	M.RESISTOR CH 1/2W 120	1	
R2746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2747,48	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R2749	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R2750	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R2751	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2752	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R2753	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R2754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2755	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R2756	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2800	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R2801	ERJ12YJ471	M.RESISTOR CH 1/2W 470	1	
R2802	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R2803	ERJ6GEYG752	M.RESISTOR CH 1/10W 7.5K	1	
R2804	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R2805	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2806	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2807-09	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R2810-12	ERJ14YJ680	M.RESISTOR CH 1/4W 68	3	
R2813	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2814	ERJ12RQJR22	M.RESISTOR CH 1/2W 0.22	1	
R2815-17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R2818	ERG2SJ122	M.RESISTOR 2W 1.2K	1	
R2819	ERJ12YJ560	M.RESISTOR CH 1/2W 56	1	
R2820	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R2821-24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R2825	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2826	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R2827	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R2828	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	
R2829	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R2830	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R2831	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R2832	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R2833	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2834	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R2835	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R2836	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R2837	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2838	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R2839	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R2840	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R2841,42	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R2843	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R2844	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R2845	ERJ12YJ121	M.RESISTOR CH 1/2W 120	1	
R2846	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2847	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R2848	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R2849-52	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R2853	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
RY2550	VSY2070	RELAY	1	
TG1000,01	VJR0646	TEST POINT	2	D0X0R0000022
TG2001-03	VJR0646	TEST POINT	3	D0X0R0000022
TG2004-07	EYF6CU	TEST POINT	4	
TH1000	VRT0152090	THERMISTOR	1	D4ZZ00000011
TH1001	VRT0152135	THERMISTOR	1	D4DZBR130001
TP1000-02	EYF6CU	TEST POINT	3	
TP1003-05	VJR0646	TEST POINT	3	D0X0R0000022
TP1006	EYF6CU	TEST POINT	1	
TP1007	VJR0646	TEST POINT	1	D0X0R0000022
TP1008	EYF6CU	TEST POINT	1	
TP1009	VJR0646	TEST POINT	1	D0X0R0000022
TP2001	VJR0646	TEST POINT	1	D0X0R0000022
TP2030-35	VJR0646	TEST POINT	6	D0X0R0000022
TP2060	EYF6CU	TEST POINT	1	
TP2080-83	VJR0646	TEST POINT	4	D0X0R0000022

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TP2120-23	VJR0646	TEST POINT	4	D0X0R0000022
TP2160-63	VJR0646	TEST POINT	4	D0X0R0000022
TP2201,02	VJR0646	TEST POINT	2	D0X0R0000022
TP2230,31	VJR0646	TEST POINT	2	D0X0R0000022
TP2232	EYF6CU	TEST POINT	1	
TP2280-82	VJR0646	TEST POINT	3	D0X0R0000022
TP2300,01	VJR0646	TEST POINT	2	D0X0R0000022
TP2302	EYF6CU	TEST POINT	1	
TP2400,01	VJR0646	TEST POINT	2	D0X0R0000022
TP2450-52	VJR0646	TEST POINT	3	D0X0R0000022
TP2601-06	EYF6CU	TEST POINT	6	
TP2701,02	EYF6CU	TEST POINT	2	
TP2722-25	VJR0646	TEST POINT	4	D0X0R0000022
TP2726,27	EYF6CU	TEST POINT	2	
TP2729	VJR0646	TEST POINT	1	D0X0R0000022
TP2731	EYF6CU	TEST POINT	1	
TP2732	VJR0646	TEST POINT	1	D0X0R0000022
TP2734	VJR0646	TEST POINT	1	D0X0R0000022
TP2741	EYF6CU	TEST POINT	1	
VR1000	VRV0113B103	V.RESISTOR 10K	1	
X2300	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E8	VEP83467B	H1 CMPST OUT P.C.BOARD	1	(RTL)
C1,C2	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C3,C4	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C5-C8	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C9,10	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C11	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C12	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C13,14	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C15-22	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	8	
C23	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C24,25	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C26,27	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C28,29	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C100-04	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	5	
C105	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C106-12	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	7	
C114	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C116	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C200-13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	14	
C300-05	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	6	
C306-09	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C310	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C311-14	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C400-03	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	
C404,05	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C406-13	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	8	
C414,15	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C416,17	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C418,19	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C420	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C421	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C422,23	EEVHP0J470	E.CAPACITOR 6.3V 47U	2	
C424-28	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	5	
C429	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C430	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C431,32	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C433,34	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	2	
C435	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C436	EEVHB1A330	E.CAPACITOR 10V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C437	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C438	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C439	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C440	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C442,43	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C444	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C445	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C446	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C447,48	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C449,50	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C451,52	EEVHB1A330	E.CAPACITOR 10V 33U	2	
C453-55	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	
C500-06	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	7	
C600	VCEA1CAP330	E.CAPACITOR 16V 33U	1	
C610	ECCF1H270J	C.CAPACITOR 50V 27P	1	
D400,01	MA3062M	DIODE	2	
IC1	TVHC244FT	IC	1	
IC2	DS90LV048A	IC	1	
IC3	LT1129CS8	IC	1	
IC4	LT1175CS8	IC	1	
IC15	TLCX245FT	IC	1	
IC100	SN74S1053NS	IC	1	
IC101	SN74S1051NS	IC	1	
IC106	TLCX245FT	IC	1	
IC107	IDTLVC16245F	IC	1	
IC109	TLCX245FT	IC	1	
IC111	IDTLVC574APG	IC	1	
IC114	IDTLVC574APG	IC	1	
IC116	IDTLVC574APG	IC	1	
IC117	X9288L10T144	IC	1	
IC200	MN47V78SP	IC	1	
IC201	UPD65042F024	IC	1	
IC202,03	UG10358B	IC	2	C1ZBZ0000700
IC204	UPD65013F101	IC	1	C1ZBZ0001326
IC205	UG10358B	IC	1	C1ZBZ0000700
IC206	X9288L10T144	IC	1	
IC300	IDTLVC574APG	IC	1	
IC302	TLCX245FT	IC	1	
IC303,04	M66282F	IC	2	
IC306	X9288L7T144	IC	1	
IC400,01	ADV7171KS	IC	2	C0ZBZ0000175
IC402	NE521D	IC	1	C0BBBB000013
IC403	AD8184AR	IC	1	
IC404	VLF1482	FILTER	1	J0E7004A0006
IC405	GT4123B	IC	1	
IC406	TVHT08FT	IC	1	
IC407	AD8055AR	IC	1	
IC408	AD8056AR	IC	1	C0ABBB000156
IC500	IDTLVC16245F	IC	1	
IC502	TLCX245FT	IC	1	
IC503,04	TVHC245FT	IC	2	
IC505,06	TLCX245FT	IC	2	
ID2	VVVSI3711	CS_OUT_PLD	1	
L1-L5	VLF1151A132	COIL	5	
L400,01	VLQ0319K100	COIL 10UH	2	G1C100K00023
L402,03	VLQ0163J180	COIL 18UH	2	G1C180J00001
L404-06	VLQ0319K100	COIL 10UH	3	G1C100K00023
L407-09	VLQ0163J2R7	COIL 2.7UH	3	G1C2R7J00002
L410,11	VLQ0319K100	COIL 10UH	2	G1C100K00023
P1	K1KAE8B00001	CONNECTOR (MALE)	1	
P2	VJP3125B008	CONNECTOR (MALE)	1	
P500	VJP4064K100C	CONNECTOR (MALE)	1	K1KAA0A00020
Q400	2SB709	TRANSISTOR	1	
Q401	XN4501	TRANSISTOR-RESISTOR	1	
Q402,03	2SB709	TRANSISTOR	2	
Q404,05	XN4501	TRANSISTOR-RESISTOR	2	
R1-R9	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	9	
R10	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R11,12	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R13	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R14	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R15,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R17	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R18	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R20	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R21	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R22-29	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R100	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R101	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R102	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R103	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R104	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R105,06	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R107,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R109-11	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R112	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R113-32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	20	
R200	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R204	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R207-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R210	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R211	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R213	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R214,15	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R217	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R222	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R223-25	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R300-02	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	3	
R305	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R307	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R309	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R310	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R311	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R312-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R318	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R319-28	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R400	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R401,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R403	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R404	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R405	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R406-10	ERJ3RED750	M.RESISTOR CH 1/16W 75	5	
R411	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R412,13	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R415	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R416-19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R420	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R422,23	ERJ3RBD471	M.RESISTOR CH 1/16W 470	2	
R424,25	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R426	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R427	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R428	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R429	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R430	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R431	ERJ3RBD201	M.RESISTOR CH 1/16W 200	1	
R432	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R433	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R434	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R435	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R436	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R437	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R438	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R439	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R440	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R441	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R442	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R443,44	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R445	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R446	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R447	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R448	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R449	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R450	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R451	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R452,53	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R454	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R455	ERJ3RBD431	M.RESISTOR CH 1/16W 430	1	
R456,57	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R459,60	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R461-66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R500	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R501	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R502	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R503	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R504	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R505	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R506	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R507	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R508-52	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	45	
R553	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R554	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R555	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R556	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R558	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
TG1-P7	EYF6CU	TEST POINT	7	
VC400	ECV1ZW20X53T	TRIMMER	1	
VR400	VRV0161B201	V.RESISTOR 200	1	
VR401	VRV0161B101	V.RESISTOR 100	1	
VR402,03	VRV0161B102	V.RESISTOR 1K	2	
VR404	EVM7JGA00B23	V.RESISTOR 2K	1	
VR405	VRV0161B102	V.RESISTOR 1K	1	
VR406,07	VRV0161B101	V.RESISTOR 100	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E9	VEP84347A	H3 CUE P.C.BOARD	1	(RTL)
C4001	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C4003	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4004	ECUM1H822KBN	C.CAPACITOR CH 50V 8200P	1	
C4005,06	ECUM1H272KBN	C.CAPACITOR CH 50V 2700P	2	
C4007	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4008	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4009	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4010	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4011	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4012	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4013	ECST1VY104Z	T.CAPACITOR CH 35V 0.1U	1	
C4014,15	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4016	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4017	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4018	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4019	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C4020	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C4021	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4022	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C4023	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4024,25	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	2	
C4026-28	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C4029	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C4030	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C4031	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4032,33	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4034	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4035	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C4036	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4037	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4038	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4039,40	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4041	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4042	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4043	ECUM1H822KBN	C.CAPACITOR CH 50V 8200P	1	
C4044	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4045	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4046	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4047	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C4048	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4049	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4050	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C4051	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C4052	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C4053	ECUM1H822KBN	C.CAPACITOR CH 50V 8200P	1	
C4054	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4055	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4056	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4060	VCC0226680	C.CAPACITOR	1	
C4061	ECUM1C394KBM	C.CAPACITOR CH 16V 0.39U	1	
C4062	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4101,02	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4103,04	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	2	
C4105-07	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	3	
C4108	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4109	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4110	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4111,12	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C4113,14	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	2	
C4115,16	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C4117	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C4118	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4119	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4120,21	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4122	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4123-25	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C4126	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C4127,28	EEVHB0J220	E.CAPACITOR 6.3V 22U	2	
C4129	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4130	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C4134,35	ECEA1HGE330	E.CAPACITOR 50V 33U	2	
C4136,37	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	2	
C4138	EEVHP1E4R7	E.CAPACITOR 25V 4.7U	1	
C4139	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4140,41	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4142	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4143-46	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C4147,48	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	
C4201,02	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C4203	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4204,05	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4206	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4207	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C4208	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4209,10	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4211	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4212	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4213	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4214	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4215	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4216,17	ECEA1CGE101	E.CAPACITOR 16V 100U	2	
C4218	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4219	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4220	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4221	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4222	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C4223-25	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C4226	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4227,28	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4229,30	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	2	
C4231	ECUM1H331KBN	C.CAPACITOR CH 50V 330P	1	
C4232	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4233	ECHU1H223JB	P.CAPACITOR 50V 0.022U	1	
C4234	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	1	
C4235	VCK0106K221	C.CAPACITOR 220P	1	
C4236	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C4237	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4238	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C4239	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4240	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4241	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4242	VCF2GAB682J	C.CAPACITOR 400V 6800P	1	F0A2G6820001
C4243	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4244	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4245	VCF2GAB682J	C.CAPACITOR 400V 6800P	1	F0A2G6820001
C4246,47	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	2	
C4301	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4302	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4303-14	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C4401	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4402	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4403	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4404-06	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C4407	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4408	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4409	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4410-13	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C4414	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4415	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C4416	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4417	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4418	EEVHP1C100	E.CAPACITOR 16V 10U	1	
C4419	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C4501-03	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C4504,05	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C4601	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C4602	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C4603	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4605	ECUM1H822KBN	C.CAPACITOR CH 50V 8200P	1	
C4606	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4607	ECUM1H182KBN	C.CAPACITOR CH 50V 1800P	1	
C4608	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4609	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	
C4610	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C4612	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C4701	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C4702	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C4703	ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C4704	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C4705	ECHU1C103JB	C.CAPACITOR CH 16V 0.1U	1	
D4101	MA152A	DIODE	1	
D4102-04	MA157	DIODE	3	
D4111	MA716	DIODE	1	
D4201,02	MA157	DIODE	2	
D4203-05	MA152A	DIODE	3	
D4301	MA157	DIODE	1	
FL4001	EIR7QF012B	TRANSFORMER	1	
FL4002	VLF1069	FILTER	1	
FL4201,02	VLF0941C223	FILTER	2	
IC4001	NJM4580ED	IC	1	C0ABBB000123
IC4002	MC14053BF	IC	1	
IC4003	CXA1552M	IC	1	
IC4004,05	NJM4580ED	IC	2	C0ABBB000123
IC4006	C0JBAR000242	IC	1	C0JBAR000021
IC4008	NJM4580ED	IC	1	C0ABBB000123
IC4009	AN78N09	IC	1	
IC4010	AN79N09	IC	1	
IC4011,12	NJM4580ED	IC	2	C0ABBB000123
IC4013	MC14053BF	IC	1	
IC4014	NJM4580ED	IC	1	C0ABBB000123
IC4015	MC14053BDT	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4016	NJM4580ED	IC	1	C0ABBB000123
IC4101,02	AD7945BR	IC	2	
IC4103-05	NJM4580ED	IC	3	C0ABBB000123
IC4106	MC14053BF	IC	1	
IC4107	NJM4580ED	IC	1	C0ABBB000123
IC4108	XC62AP3002P	IC	1	
IC4109	AK4503VF	IC	1	
IC4110	TVHT244FT	IC	1	
IC4111	TVHC244FT	IC	1	
IC4112	NJM4580ED	IC	1	C0ABBB000123
IC4113	C0JBAR000242	IC	1	C0JBAR000021
IC4114	NJM4580ED	IC	1	C0ABBB000123
IC4115	NJM78L05UA	IC	1	C0CBADC00010
IC4116	NJM79L05UA	IC	1	C0CBBDC00001
IC4117	MC14053BF	IC	1	
IC4118	TC4W53F	IC	1	C0JBAR000225
IC4201	C0JBAR000242	IC	1	C0JBAR000021
IC4202	NJM4580ED	IC	1	C0ABBB000123
IC4203	NJM2043MD	IC	1	C0ABBB000029
IC4204,05	AQV212SX	IC	2	
IC4206	AN78N09	IC	1	
IC4207	MC14053BDT	IC	1	
IC4301	T163G26-1019	IC	1	C1ZBZ0001458
IC4302	SN74S1053NS	IC	1	
IC4303,04	LVX3245QSC	IC	2	
IC4305	TC7S32FU	IC	1	
IC4401	TC4W53F	IC	1	C0JBAR000225
IC4402	MC74HC74AF	IC	1	
IC4403	MC74HC541AF	IC	1	
IC4404	MB621926	IC	1	
IC4405	MSM514800C7J	IC	1	
IC4406	NJM78L05UA	IC	1	C0CBADC00010
IC4407	AK4320VM	IC	1	C0FBBJ000006
IC4408	TC4W53F	IC	1	C0JBAR000225
IC4501	MB621926	IC	1	
IC4502,03	MC74HC164AF	IC	2	
IC4504	TC7SU04F	IC	1	
IC4505	TC7W74F	IC	1	
IC4506	TC4W53F	IC	1	C0JBAR000225
IC4507	MSM514800C7J	IC	1	
IC4601,02	NJM4580ED	IC	2	C0ABBB000123
IC4603,04	TC4W53F	IC	2	C0JBAR000225
L4001	VLQ0423J472	COIL 4700UH	1	
L4301	VLF1151A132	COIL	1	
P4001	K1KAE8B00001	CONNECTOR (MALE)	1	
P4002	VJP1230T	CONNECTOR (MALE) 3P	1	
P4003	VJP1233T	CONNECTOR (MALE) 6P	1	
Q4001,02	2SD1149-R	TRANSISTOR	2	
Q4003	2SB792-R	TRANSISTOR	1	
Q4004,05	2SD602A-R	TRANSISTOR	2	
Q4006	2SB710A-R	TRANSISTOR	1	
Q4101-03	2SD1328	TRANSISTOR	3	
Q4201	2SD1994A-R	TRANSISTOR	1	
Q4202	2SB1322A-R	TRANSISTOR	1	
Q4203	2SD1994A-R	TRANSISTOR	1	
Q4204	2SB1322A-R	TRANSISTOR	1	
Q4205	2SD602A-R	TRANSISTOR	1	
Q4206,07	2SB710A-R	TRANSISTOR	2	
Q4208	2SD602A-R	TRANSISTOR	1	
Q4209	2SB710A-R	TRANSISTOR	1	
Q4210-12	2SD602A-R	TRANSISTOR	3	
Q4213	2SB710A-R	TRANSISTOR	1	
Q4214	2SD602A-R	TRANSISTOR	1	
Q4215	2SB710A-R	TRANSISTOR	1	
Q4216-19	2SD602A-R	TRANSISTOR	4	
Q4220	2SB710A-R	TRANSISTOR	1	
Q4221,22	2SD602A-R	TRANSISTOR	2	
QR4001,02	UN2213	TRANSISTOR-RESISTOR	2	
QR4201	UN2213	TRANSISTOR-RESISTOR	1	
R4001	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4002	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4003,04	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R4005	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R4006	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4007	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4008	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R4009	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4010	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4011	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R4012	ERJ6GEYG182	M.RESISTOR CH 1/10W 1.8K	1	
R4013	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R4014,15	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4016	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4017	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4018	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R4019	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4020	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4021	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4022	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4023,24	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R4025	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4026	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R4027	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4028	ERJ6GEYF124	M.RESISTOR CH 1/10W 120K	1	
R4029	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4030	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R4031	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R4032	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4033,34	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R4035	ERJ6RBD152	M.RESISTOR CH 1/10W 1.5K	1	
R4036	ERJ6RBD392	M.RESISTOR CH 1/10W 3.9K	1	
R4037	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4038	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4039,40	ERJ6RBD122	M.RESISTOR CH 1/10W 1.2K	2	
R4041	ERJ6RBD823	M.RESISTOR CH 1/10W 82K	1	
R4044	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4045	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4046	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4047,48	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4049	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4052	ERJ6RBD202	M.RESISTOR CH 1/10W 2K	1	
R4053	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	
R4054	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4055	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4056	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4057	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4058,59	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	2	
R4060,61	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R4064,65	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4066	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4068	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4069	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4071	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4073	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4075	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4076	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4077	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R4078	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R4079	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4081	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4082	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R4083	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4084	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4086,87	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R4088,89	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4090	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4091,92	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R4094	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4096	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4097	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R4098-00	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R4101	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R4102	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4103	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4104	ERJ6RED124	M.RESISTOR CH 1/10W 120K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4105	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R4106	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R4107	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R4108	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	
R4109	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R4110	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4111	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4112	ERJ6RBD912	M.RESISTOR CH 1/10W 9.1K	1	
R4113	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4114	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4115	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4116	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4117	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4118	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4119	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4121	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4122-29	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	8	
R4131,32	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	2	
R4134	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4135	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4136	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R4137,38	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4139,40	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R4142	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4143	ERJ12YJ621	M.RESISTOR CH 1/2W 620	1	
R4144	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R4145	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R4146,47	ERJ6RBD473	M.RESISTOR CH 1/10W 47K	2	
R4148	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R4149	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4150	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4151	ERJ6RHD2101	M.RESISTOR CH 1/10W 2.1K	1	
R4152	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	1	
R4153	ERJ6RBD333	M.RESISTOR CH 1/10W 33K	1	
R4154	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R4155	ERJ6RHD2101	M.RESISTOR CH 1/10W 2.1K	1	
R4156	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	1	
R4157,58	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4159	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4160,61	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4162	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R4163	ERJ6RBD152	M.RESISTOR CH 1/10W 1.5K	1	
R4164	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4165	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4166	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4169	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R4170	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4171	ERJ6RBD151	M.RESISTOR CH 1/10W 150	1	
R4172	ERJ6RBD152	M.RESISTOR CH 1/10W 1.5K	1	
R4173	ERJ6RBD471	M.RESISTOR CH 1/10W 470	1	
R4174	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4175	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4176	ERJ6RBD561	M.RESISTOR CH 1/10W 560	1	
R4177	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4178	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4179	ERJ6RBD561	M.RESISTOR CH 1/10W 560	1	
R4182	ERJ6RBD181	M.RESISTOR CH 1/10W 180	1	
R4183	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4184	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4185	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4186	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4201	ERJ6RBD301	M.RESISTOR CH 1/10W 300	1	
R4202	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4203	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R4204	ERJ6RBD123	M.RESISTOR CH 1/10W 12K	1	
R4205	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4206	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R4207	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4208	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	
R4209	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4210	ERJ6RBD271	M.RESISTOR CH 1/10W 270	1	
R4211	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4212	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4213	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4214,15	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4216	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R4217	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4218,19	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	2	
R4220	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R4221	ERJ6RBD153	M.RESISTOR CH 1/10W 15K	1	
R4222	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4223,24	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4225	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4226,27	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	2	
R4228-31	ERJ14YJ100	M.RESISTOR CH 1/4W 10	4	
R4232,33	ERJ14YJ220	M.RESISTOR CH 1/4W 22	2	
R4234	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4235,36	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4237	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4238,39	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R4240,41	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4242	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4243	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4244	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4245,46	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R4247	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4248	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4249,50	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R4251	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4252	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	
R4253	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4254	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R4255	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R4256,57	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	
R4258	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R4259	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R4260	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4261	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4262	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R4263	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4264	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4265,66	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R4267,68	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R4269	ERJ6GEYG180	M.RESISTOR CH 1/10W 18	1	
R4270,71	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R4272	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R4273	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R4274,75	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R4276	ERJ6GEYG180	M.RESISTOR CH 1/10W 18	1	
R4277	ERJ6GEYJ1R0	M.RESISTOR CH 1/10W 1	1	
R4278	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R4279,80	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4281	ERJ6RBD512	M.RESISTOR CH 1/10W 5.1K	1	
R4282	ERJ6RBD301	M.RESISTOR CH 1/10W 300	1	
R4283	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R4284	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R4285	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R4287	ERJ6RBD683	M.RESISTOR CH 1/10W 68K	1	
R4290	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4291	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4301-08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	8	
R4401	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4402	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4403-06	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R4407	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4408	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4409	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R4410	ERJ6GEYJ100	M.RESISTOR CH 1/10W 10	1	
R4411-13	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R4414,15	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4417-20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R4421	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4423	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4425	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4430	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4502-05	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R4506-11	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	
R4513,14	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4517	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4519	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4602	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4603,04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R4607	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R4608	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4609	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R4610	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4611,12	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R4613,14	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R4615	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4616	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R4617-19	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
R4621	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4623	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4624	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4629	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4632	ERJ6GEYF393	M.RESISTOR CH 1/10W 39K	1	
R4633-35	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
R4636	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4639	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4641	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R4642	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4701	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4704	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R4705,06	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R4707	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4708	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4709	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R4710	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R4711	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R4712	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
SW4001	VSS0367-04B	SWITCH	1	
SW4002	VSS0342	SWITCH	1	K0D112B00056
SW4101	VSS0126	SWITCH	1	
SW4201	VSS0367-02B	SWITCH	1	
T4201	VLT0866	TRANSFORMER	1	G4ZZ00000360
T4202	VLT0929	TRANSFORMER	1	G4ZZ00000379
T4203,04	VLT0867	TRANSFORMER	2	G4ZZ00000361
T4205	VLT0928	TRANSFORMER	1	G4ZZ00000378
TG4101	VJR0646	TEST POINT	1	D0X0R0000022
TG4201	VJR0646	TEST POINT	1	D0X0R0000022
TP4001-03	VJR0646	TEST POINT	3	D0X0R0000022
TP4101-03	VJR0646	TEST POINT	3	D0X0R0000022
TP4201-03	VJR0646	TEST POINT	3	D0X0R0000022
VR4001	EVMEGSA00B14	V.RESISTOR 10K	1	
VR4002	EVMEGSA00B54	V.RESISTOR 50K	1	
VR4003,04	EVMEGSA00B53	V.RESISTOR 5K	2	
VR4005	EVMEGSA00B24	V.RESISTOR 20K	1	
VR4006,07	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4202	EVMEGSA00B15	V.RESISTOR 100K	1	
VR4601	EVMEGSA00B53	V.RESISTOR 5K	1	
VR4602	EVMEGSA00B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E10	VEP85181B	H4,5 RF EQ 100 P.C.BOARD	1	(RTL)
■	VEP85199A	RF EQ SUB P.C.BOARD	1	(RTL)FOR VEP85181B
C1-C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C6-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C101	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C102	EEVHB1C470	E.CAPACITOR 16V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C103	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C104,05	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C108	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C109,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
C111-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	10	
C204,05	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	2	
C208	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C209	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C210-12	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	3	
C213	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C214-17	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	4	
C220-24	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	5	
C225	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C231,32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C235-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C242-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C350	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C352	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C354	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C356-63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C401-04	EEVHB1H2R2	E.CAPACITOR 50V 2.2U	4	
C405-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C422-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C428	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C430,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C432	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C433	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C434	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C435,36	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	2	
C437	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C439	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C440-42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C444	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C446	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C447	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C448-50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C451	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C453	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C454	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C456	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C462-69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C473	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C474	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C475	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C477	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C478	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C479	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C480,81	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C482,83	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C486,87	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C489-99	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C502	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C503	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C525,26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C550,51	EEVHB1H2R2	E.CAPACITOR 50V 2.2U	2	
C552-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C556,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C559,60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C562-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C565	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C566	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C568	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C569	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C572	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C574	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C575	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C576	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C577-79	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C601	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C602	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C603	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C604-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C618,19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C621	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C622	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C624	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C626	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C628-45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	18	
C648-51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C653	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C654	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C701	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C702	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C703	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C704-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C721-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	20	
C741	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C742	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C743	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C751-54	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C756	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C757	ECCF1H470JC	C.CAPACITOR 50V 470P	1	FOR VEP85199A
C801	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C802	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C803	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	1	
C804-15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
C818-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	21	
C839	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	1	
C901-05	EEVHB1C220	E.CAPACITOR 16V 22U	5	
C906-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C911-15	EEVHB1C220	E.CAPACITOR 16V 22U	5	
C916-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C921	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C922	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C923	ECEA1CGE221	E.CAPACITOR 16V 220U	1	
C924-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C927,28	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C940-45	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
D101	MA153	DIODE	1	MA3X153
D102	MA152WK	DIODE	1	
IC1	DS90LV048A	IC	1	
IC2	MC10H124M	IC	1	C0JBZZ000020
IC3	TLCX244FT	IC	1	
IC4	TLCX74FT	IC	1	
IC5	TLCX157F	IC	1	
IC6	C0JBAB000196	IC	1	
IC7,C8	TVHC244FT	IC	2	
IC9	TVHT244FT	IC	1	
IC101	TVHC86FT	IC	1	
IC102,03	TC4S66F	IC	2	C0JBAS000050
IC104	TVHC08FT	IC	1	
IC105	MC10H116M	IC	1	C0JBZZ000018
IC106	TVHC32FT	IC	1	
IC107	MC10H102M	IC	1	C0JBZD000001
IC108	MC10H131M	IC	1	C0JBZF000003
IC109	TVHC244FT	IC	1	
IC110	C0JBAB000196	IC	1	
IC201	M62370GP	IC	1	C0FBBD000082
IC202,03	THC4053FT	IC	2	
IC205	NJM084V	IC	1	
IC207	NJM084V	IC	1	
IC301	THC4053FT	IC	1	
IC302	UPC1663G	IC	1	C1CB00000329
IC401,02	UPC1663G	IC	2	C1CB00000329
IC601	MN673796	IC	1	
IC602	NJM084V	IC	1	
IC604	DS90LV047A	IC	1	
IC605	TVHC574FT	IC	1	
IC606	TLCX244FT	IC	1	
IC608	TVHC574FT	IC	1	
IC609	TLCX74FT	IC	1	
IC701	MN673796	IC	1	
IC705	TVHC574FT	IC	1	
IC706	EPM7032AE441	IC	1	
IC801	MN673796	IC	1	
IC804	DS90LV047A	IC	1	
IC805	TVHC574FT	IC	1	
IC900	UPD65946GY00	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC901	AN7703F	IC	1	
IC902	LT1129CS8	IC	1	
IC903	LT1175CS8	IC	1	
ID1	VVVSI3612	RFEQ-SUB PLD	1	
L350	VLQ0163J8R2	COIL 8.2UH	1	
L351	VLQ0163J2R2	COIL 2.2UH	1	G1C2R2J00009
L352	VLQ0163J1R5	COIL 1.5UH	1	
L353	VLQ077168NM	COIL	1	
L401,02	VLQ0163J5R6	COIL 5.6UH	2	
L403,04	VLQ0163JR27	COIL 0.27UH	2	G1CR27J00002
L405	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L406	VLQ0163JR68	COIL 0.68UH	1	G1CR68J00004
L550	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L551	VLQ0163J1R2	COIL 1.2UH	1	G1C1R2J00002
L901-05	VLF1151A132	COIL	5	
P401,02	VJP1230T	CONNECTOR (MALE) 3P	2	
P550	VJP1230T	CONNECTOR (MALE) 3P	1	
P701	VJP3125B008	CONNECTOR (MALE)	1	
P950	K1KAE8B00001	CONNECTOR (MALE)	1	
Q101	2SA1532	TRANSISTOR	1	
Q102	2SB709A-R	TRANSISTOR	1	
Q103	2SD601A	TRANSISTOR	1	
Q104,05	2SA1532	TRANSISTOR	2	
Q106	2SD601A	TRANSISTOR	1	
Q401	2SC3930	TRANSISTOR	1	
Q402	XN6537	TRANSISTOR-RESISTOR	1	
Q403	2SC3930	TRANSISTOR	1	
Q404	XN6537	TRANSISTOR-RESISTOR	1	
Q405,06	2SC3930	TRANSISTOR	2	
Q407-10	XN5531	TRANSISTOR-RESISTOR	4	
Q411,12	2SC3930	TRANSISTOR	2	
Q413	XN4401	TRANSISTOR-RESISTOR	1	
Q414,15	2SA1532	TRANSISTOR	2	
Q416-18	XN1504	TRANSISTOR-RESISTOR	3	
Q420	XN1504	TRANSISTOR-RESISTOR	1	
Q424	2SC3930	TRANSISTOR	1	
Q425	2SD1979	TRANSISTOR	1	
Q426	2SC3930	TRANSISTOR	1	
Q427,28	XN5531	TRANSISTOR-RESISTOR	2	
Q525,26	2SD1979	TRANSISTOR	2	
Q550	2SC3930	TRANSISTOR	1	
Q551	XN6537	TRANSISTOR-RESISTOR	1	
Q552	2SC3930	TRANSISTOR	1	
Q553	XN5531	TRANSISTOR-RESISTOR	1	
Q554	2SC3930	TRANSISTOR	1	
Q555,56	XN1504	TRANSISTOR-RESISTOR	2	
Q557	2SC3930	TRANSISTOR	1	
Q601,02	2SA1532	TRANSISTOR	2	
Q603,04	2SC3930	TRANSISTOR	2	
Q701,02	2SA1532	TRANSISTOR	2	
Q703,04	2SC3930	TRANSISTOR	2	
Q801,02	2SA1532	TRANSISTOR	2	
Q803,04	2SC3930	TRANSISTOR	2	
R2-R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R6,R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R9,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R13-15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R17-19	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R20-23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R25,26	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R28,29	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R31-33	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R35-37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R38,39	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R40	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R101	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R102	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R103-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R106	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R107	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R108	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R109	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R110	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R111	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R112	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R113-18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	
R119,20	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R122	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R123	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R126	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R127	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R128	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R129	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R130	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R131	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R132	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R133	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R134	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R135	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R136	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R137,38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R139,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R141	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R142,43	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R147	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R149	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R151	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R152	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R153-59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	7	
R161,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R164	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R223-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R226,27	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R229	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R231-34	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	4	
R237-43	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	7	
R246-50	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	5	
R258,59	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R265	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R266	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R270	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R276	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R277	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R278	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R280	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R283	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R284,85	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R289	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R290	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R292	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R294	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R296	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R297	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R298-00	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	3	
R301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R350,51	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R353	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R354	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R355	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R356	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R357	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R358,59	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R360,61	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	2	
R362	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R363	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R364	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R365-68	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R401-03	ERJ3RED470	M.RESISTOR CH 1/16W 47	3	
R404	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R405	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R406,07	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R408	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R409	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R410	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R411	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R412	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R413	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R414	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R415	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R416	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R417	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R418	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R419	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R420	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R421	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R422	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R423	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R424	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R425	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R426	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R428	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R429	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R431,32	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R433,34	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	2	
R436	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R437-39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
R440,41	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R443	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R444,45	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R446	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R448	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R449-51	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	3	
R452	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R453	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R454	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R455,56	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R457	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R459	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R460	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R461	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R462	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R463,64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R465,66	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R467,68	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R469,70	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R473	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R474	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R475	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R476	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R477	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R478	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R479-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R483	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R484	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R485	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R486-88	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R489	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R491	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R493	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R494	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R495	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R496	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R497	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R498-00	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R501	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R503	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R504	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R507	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R508	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R509	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R510	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R511	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R512	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R513,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R515	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R516	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R517	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R519	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R520	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R521,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R523	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R524	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R525	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R526	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R527	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R528	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R529	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R530,31	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R550	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R551	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R552	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R553	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R554	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R555	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R556	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R557	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R558	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R559	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R560	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R561	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R562	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R563	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R564	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R565	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R566	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R567	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R568	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R570	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R572	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R574	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R575-78	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R579	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R580	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R581	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R582	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R583	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R601,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R603	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R604	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R607	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R608	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R613,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R616	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R619	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R620	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R621	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R622	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R623	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R624-31	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R634-36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R638	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R640	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R641	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R642,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R644	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R647	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R648	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R649	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R650	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R651	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R652	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R654	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R656	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R658	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R659	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R660	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R662	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R663	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R664	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R665	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R666	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R667	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R668	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R669	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R670	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R671	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R672	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R673	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R674	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R675	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R676	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R677	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R678	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R681	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R684	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R687,88	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R690-94	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R696	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R697	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R698	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R699	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R703,04	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R707	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R708,09	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R712	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R716	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R719	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R722	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R725	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R727	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R743-45	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R747	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R748	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R749	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R750,51	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R753	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R755	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R756	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R757	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R759	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R761	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R763	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R764	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R765	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R766	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R767	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R769	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R770	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R771	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R772	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R773	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R774	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R775	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R776	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R778	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R780	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R782	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R785-88	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R789	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R801,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R803	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R804	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R806	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R807	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R809	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R813	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R817	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R818	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R820	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R826	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R828	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R843-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R849	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R850	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R851,52	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R854	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R855	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R856	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R857	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R858	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R860	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R862	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R864	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R865	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R866	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R867	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R868	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R869	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R870	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R871	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R872	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R874	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R876	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R878	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R881-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R885	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R901-04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R906	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R908	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R909	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R912	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R940-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	16	
R959-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R965,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R970	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R995	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
RY101	VSY2069	RELAY	1	K6B2CDB00006
SW101,02	VJP2536A003	CONNECTOR (MALE)	2	
SW701	VSS0367-02B	SWITCH	1	
TG5	VJR0646	TEST POINT	1	D0X0R0000022
TG407	VJR0646	TEST POINT	1	D0X0R0000022
TG822	VJR0646	TEST POINT	1	D0X0R0000022
TP1-P3	VJR0646	TEST POINT	3	D0X0R0000022
TP5	EYF6CU	TEST POINT	1	
TP401,02	VJR0646	TEST POINT	2	D0X0R0000022
TP403-06	EYF6CU	TEST POINT	4	
TP550	VJR0646	TEST POINT	1	D0X0R0000022
TP551	EYF6CU	TEST POINT	1	
TP602	EYF6CU	TEST POINT	1	
TP608,09	EYF6CU	TEST POINT	2	
TP618-20	EYF6CU	TEST POINT	3	
TP621	VJR0646	TEST POINT	1	D0X0R0000022
TP622,23	EYF6CU	TEST POINT	2	
TP702	EYF6CU	TEST POINT	1	
TP707,08	EYF6CU	TEST POINT	2	
TP717	EYF6CU	TEST POINT	1	
TP719,20	EYF6CU	TEST POINT	2	
TP721	VJR0646	TEST POINT	1	D0X0R0000022
TP722	EYF6CU	TEST POINT	1	
TP802	EYF6CU	TEST POINT	1	
TP808,09	EYF6CU	TEST POINT	2	
TP818-20	EYF6CU	TEST POINT	3	
TP821	VJR0646	TEST POINT	1	D0X0R0000022
		MISCELLANEOUS		
	VJS1990	CONNECTOR (FEMALE)	2	
	VMP6564	HEAT SINK HOLDER ANGLE	1	
	VMX1349	MKR(SQ-10)	2	K9ZZ00000691
	VSC4609	SHIELD CASE	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VWZ0212	THERMAL CONDUCTIVE TUBE	3	
	XYN3+F6	SCREW	2	
	XWA3B	WASHER	2	
	XNG3BS	NUT	2	
	XYN3+C5	SCREW	2	
	XYN2+C6	SCREW	2	
	VMS4913	P.C.BOARD SPACER	1	
	VMS4979	P.C.BOARD SPACER	1	
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E11	VEP85180A	H BUFF 100 P.C.BOARD	1	(RTL)
C1-C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C4	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C6,C7	EEVHB1H2R2	E.CAPACITOR 50V 2.2U	2	
C8-12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C15	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C23	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C24,25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C26	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C36-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C41	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C42,43	EEVHB1H2R2	E.CAPACITOR 50V 2.2U	2	
C44-48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C49	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C55	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C59	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C60	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C62,63	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C64	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C65	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C71,72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C122,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C124	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C125-27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C128,29	EEVHB1H2R2	E.CAPACITOR 50V 2.2U	2	
C130,31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C132	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C133	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C138	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C140	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C142	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C143	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C144	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C145	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C146	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C149,50	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C154	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C157	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C158	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C159	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C162,63	EEVHB1H2R2	E.CAPACITOR 50V 2.2U	2	
C164-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C170	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C171	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C172,73	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C177	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	
C179,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C181	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C185-88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C192	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C251-55	EEVHB1C220	E.CAPACITOR 16V 22U	5	
C256-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C261-64	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	4	
C265	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C266	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C267	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C268	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C269	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C270,71	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C272	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C273	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C274-76	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C277,78	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C279	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C303,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C305,06	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C308,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C310,11	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C312	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C313	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C314	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C315	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C316,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C319	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C320-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C324-26	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C328,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C333-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C338-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C342	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C344	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C348	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C350	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C351	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C353	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C354	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C355	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C356,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C362-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C403,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C405,06	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C408,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C410,11	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C412	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C413	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C414	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C415	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C416,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C418	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C419-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C423-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C428,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C433-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C438-40	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C444	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C447	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C449	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C450	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C451	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C453	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C454	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C455	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C456,57	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C462-67	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C503,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C505,06	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C508,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C510,11	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C512	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C513	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C514	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C515	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C516,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C518	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C519	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C520,21	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C523-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C528,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C533,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C537	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C540-42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C546	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C549	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C551	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C552	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C553	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C555	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C556	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C557	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C558	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C559	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C564-69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C603,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C605,06	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C608,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C610,11	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C612	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C613	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C614	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C615	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C616,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C618	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C619-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C623-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C628,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C633,34	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C637	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C640-42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C646	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C649	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C651	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C652	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C653	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C655	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C656	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C657	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C658	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C659	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C664-69	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C703,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C705,06	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C708,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C710,11	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C712	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C713	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C714	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C715	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C716,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C718	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C719-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C723-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C728,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C733-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C738,39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C741-46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C803,04	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C805,06	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C808,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C810,11	ECUX1H010CCV	C.CAPACITOR CH 50V 1P	2	
C812	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C813	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C814	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C815	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C816,17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C818	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C819-21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C823-25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C828,29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C833-35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C838,39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C841-46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	6	
C901-09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C910	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C911	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C912	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C913	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C914	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C915	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C916	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C917	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C918	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C919,20	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C921	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C922	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C923,24	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C925-32	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C933,34	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	2	
C935	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C936	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C937	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C938	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C939	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C940	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C941,42	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C943	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C944	ECUX1H090DCV	C.CAPACITOR CH 50V 9P	1	
C945,46	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C947-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
D1-D4	MA152WK	DIODE	4	
D121-24	MA152WK	DIODE	4	
D251	MA152WK	DIODE	1	
IC1	TVHT08FT	IC	1	
IC2,C3	TC4S30F	IC	2	C0JBAZ000429
IC4	MC10H116M	IC	1	C0JBZZ000018
IC5	XC62DN5002P	IC	1	
IC6,C7	TC4S30F	IC	2	C0JBAZ000429
IC8	MC10H116M	IC	1	C0JBZZ000018
IC9	NJM084V	IC	1	
IC10	XC62DN5002P	IC	1	
IC122,23	TC4S30F	IC	2	C0JBAZ000429
IC124	MC10H116M	IC	1	C0JBZZ000018
IC125	XC62DN5002P	IC	1	
IC126,27	TC4S30F	IC	2	C0JBAZ000429
IC128	MC10H116M	IC	1	C0JBZZ000018
IC130	XC62DN5002P	IC	1	
IC251	TVHT04FT	IC	1	
IC252	AN7805	IC	1	
IC253	AN7905F	IC	1	
IC301	TVHT04FT	IC	1	
IC302	UPC5102GS030	IC	1	C1ZBZ0001316
IC303,04	UPC1663G	IC	2	C1CB00000329
IC305	MC1495D	IC	1	
IC401	TVHT04FT	IC	1	
IC402	UPC5102GS030	IC	1	C1ZBZ0001316
IC403,04	UPC1663G	IC	2	C1CB00000329
IC405	MC1495D	IC	1	
IC502	UPC5102GS030	IC	1	C1ZBZ0001316
IC503,04	UPC1663G	IC	2	C1CB00000329
IC505	MC1495D	IC	1	
IC602	UPC5102GS030	IC	1	C1ZBZ0001316
IC603,04	UPC1663G	IC	2	C1CB00000329
IC605	MC1495D	IC	1	
IC702	UPC5102GS030	IC	1	C1ZBZ0001316
IC703,04	UPC1663G	IC	2	C1CB00000329
IC705	MC1495D	IC	1	
IC802	UPC5102GS030	IC	1	C1ZBZ0001316
IC803,04	UPC1663G	IC	2	C1CB00000329
IC805	MC1495D	IC	1	
IC901	TC4S69F	IC	1	C0JBAB000138
IC902	NJM084V	IC	1	
IC903-05	TC4S69F	IC	3	C0JBAB000138
IC906	TVHT08FT	IC	1	
IC907	TVHT04FT	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC908	TVHT08FT	IC	1	
L1,L2	VLQ0163JR22	COIL 0.22UH	2	G1CR22J00002
L3,L4	VLQ0163JR33	COIL 0.33UH	2	G1CR33J00002
L121-24	VLQ0163JR33	COIL 0.33UH	4	G1CR33J00002
L251-55	VLF1151A132	COIL	5	
L303,04	VLQ0188K1R0N	COIL 1.0UH	2	G0C1R0KA0023
L305,06	VLQ0188J101	COIL 100UH	2	
L403,04	VLQ0188K1R0N	COIL 1.0UH	2	G0C1R0KA0023
L405,06	VLQ0188J101	COIL 100UH	2	
L507,08	VLQ0188K1R0N	COIL 1.0UH	2	G0C1R0KA0023
L509,10	VLQ0188J101	COIL 100UH	2	
L607,08	VLQ0188K1R0N	COIL 1.0UH	2	G0C1R0KA0023
L609,10	VLQ0188J101	COIL 100UH	2	
L703	VLQ0188K1R0N	COIL 1.0UH	1	G0C1R0KA0023
L803	VLQ0188K1R0N	COIL 1.0UH	1	G0C1R0KA0023
L901-08	VLQ0163J2R2	COIL 2.2UH	8	G1C2R2J00009
P1,P2	VJS3900C013	CONNECTOR (FEMALE)	2	K1MN13A00023
P3	VJS3900A024	CONNECTOR (FEMALE)	1	
P4	K1KAE8B00001	CONNECTOR (MALE)	1	
Q1	2SA1532	TRANSISTOR	1	
Q2	2SC3930	TRANSISTOR	1	
Q3	2SA1532	TRANSISTOR	1	
Q4,Q5	XN1504	TRANSISTOR-RESISTOR	2	
Q6	2SK508K512	TRANSISTOR	1	
Q7,Q8	2SC4536	TRANSISTOR	2	
Q9	2SA1532	TRANSISTOR	1	
Q10	2SK508K512	TRANSISTOR	1	
Q11,12	2SC4536	TRANSISTOR	2	
Q13	2SC3930	TRANSISTOR	1	
Q16	2SB710A	TRANSISTOR	1	
Q17	XN1504	TRANSISTOR-RESISTOR	1	
Q18	2SA1532	TRANSISTOR	1	
Q19	XN1504	TRANSISTOR-RESISTOR	1	
Q20	2SK508K512	TRANSISTOR	1	
Q21	2SC3930	TRANSISTOR	1	
Q22	2SC4536	TRANSISTOR	1	
Q23,24	2SA1532	TRANSISTOR	2	
Q25	XN1504	TRANSISTOR-RESISTOR	1	
Q26,27	2SC4536	TRANSISTOR	2	
Q28	2SK508K512	TRANSISTOR	1	
Q29	2SC4536	TRANSISTOR	1	
Q30	2SC3930	TRANSISTOR	1	
Q32	XN1504	TRANSISTOR-RESISTOR	1	
Q121	2SA1532	TRANSISTOR	1	
Q122	2SC3930	TRANSISTOR	1	
Q123	2SA1532	TRANSISTOR	1	
Q124,25	XN1504	TRANSISTOR-RESISTOR	2	
Q126	2SK508K512	TRANSISTOR	1	
Q127,28	2SC4536	TRANSISTOR	2	
Q129	2SA1532	TRANSISTOR	1	
Q130	2SK508K512	TRANSISTOR	1	
Q131,32	2SC4536	TRANSISTOR	2	
Q133	2SC3930	TRANSISTOR	1	
Q136	2SB710A	TRANSISTOR	1	
Q137	XN1504	TRANSISTOR-RESISTOR	1	
Q138	2SA1532	TRANSISTOR	1	
Q139	XN1504	TRANSISTOR-RESISTOR	1	
Q140	2SK508K512	TRANSISTOR	1	
Q141	2SC3930	TRANSISTOR	1	
Q142	2SC4536	TRANSISTOR	1	
Q143,44	2SA1532	TRANSISTOR	2	
Q145	XN1504	TRANSISTOR-RESISTOR	1	
Q146,47	2SC4536	TRANSISTOR	2	
Q148	2SK508K512	TRANSISTOR	1	
Q149	2SC4536	TRANSISTOR	1	
Q150	2SC3930	TRANSISTOR	1	
Q152	XN1504	TRANSISTOR-RESISTOR	1	
Q251-54	2SA1532	TRANSISTOR	4	
Q255	2SD601A	TRANSISTOR	1	
Q303	2SC3930	TRANSISTOR	1	
Q304	XN5531	TRANSISTOR-RESISTOR	1	
Q307	2SC3930	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q308	2SD1979	TRANSISTOR	1	
Q310,11	2SC3930	TRANSISTOR	2	
Q312	2SD1979	TRANSISTOR	1	
Q403	XN5531	TRANSISTOR-RESISTOR	1	
Q404	2SC3930	TRANSISTOR	1	
Q407	2SC3930	TRANSISTOR	1	
Q409	2SD1979	TRANSISTOR	1	
Q410,11	2SC3930	TRANSISTOR	2	
Q412	2SD1979	TRANSISTOR	1	
Q504	XN5531	TRANSISTOR-RESISTOR	1	
Q505	2SC3930	TRANSISTOR	1	
Q508	2SC3930	TRANSISTOR	1	
Q510	2SD1979	TRANSISTOR	1	
Q511,12	2SC3930	TRANSISTOR	2	
Q513	XN1504	TRANSISTOR-RESISTOR	1	
Q514	2SD1979	TRANSISTOR	1	
Q604	XN5531	TRANSISTOR-RESISTOR	1	
Q605	2SC3930	TRANSISTOR	1	
Q608	2SC3930	TRANSISTOR	1	
Q610	2SD1979	TRANSISTOR	1	
Q611,12	2SC3930	TRANSISTOR	2	
Q613	XN1504	TRANSISTOR-RESISTOR	1	
Q614	2SD1979	TRANSISTOR	1	
Q703	XN5531	TRANSISTOR-RESISTOR	1	
Q704	2SC3930	TRANSISTOR	1	
Q707	2SC3930	TRANSISTOR	1	
Q708	2SD1979	TRANSISTOR	1	
Q803	XN5531	TRANSISTOR-RESISTOR	1	
Q804	2SC3930	TRANSISTOR	1	
Q807	2SC3930	TRANSISTOR	1	
Q808	2SD1979	TRANSISTOR	1	
Q901,02	2SD601A	TRANSISTOR	2	
Q903,04	2SB709A	TRANSISTOR	2	
Q905-08	2SC3735	TRANSISTOR	4	
Q909,10	2SD601A	TRANSISTOR	2	
Q911,12	2SB709A	TRANSISTOR	2	
Q913-16	2SC3735	TRANSISTOR	4	
R1	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R2	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R6,R7	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R8,R9	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R11	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R13,14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R15,16	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R17,18	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R19-22	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R23,24	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R25	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R26	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R27	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R28	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R29	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R30,31	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R32	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R35	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R36	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R37	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R38	ERJ12YJ180	M.RESISTOR CH 1/2W 18	1	
R39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R40	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R41	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R42	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R45	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R52,53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R54	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R57	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R58	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R59	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R60	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R61	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R62	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R63	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R64,65	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R66	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R67	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R68	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R70,71	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R72,73	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R74,75	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R76-79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R80	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R81	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R82	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R83	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R84	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R85	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R86,87	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R88,89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R90	ERJ8GEYJ331	M.RESISTOR CH 1/8W 330	1	
R91	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R92,93	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R94	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R95	ERJ12YJ180	M.RESISTOR CH 1/2W 18	1	
R99	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R101	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R107,08	ERJ12YJ180	M.RESISTOR CH 1/2W 18	2	
R109	ERJ8GEYJ331	M.RESISTOR CH 1/8W 330	1	
R110-14	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	5	
R115	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	1	
R116	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R117	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	1	
R121	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R122	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R124	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R125	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R126	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R128,29	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R130	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R131,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R133	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R134	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R135,36	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R137,38	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R139,40	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R141-44	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R145	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R146	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R147	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R148	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R149	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R150	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R151	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R152	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R153,54	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R155	ERJ8GEYJ331	M.RESISTOR CH 1/8W 330	1	
R156	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R157,58	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	2	
R159	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R160	ERJ12YJ180	M.RESISTOR CH 1/2W 18	1	
R161	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R162	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R163	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R172,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R174	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R175	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R176	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R179	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R180	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R181	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R182,83	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	2	
R184	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R185	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R186	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	
R187	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R188	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R189,90	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R191	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R192,93	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R194,95	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R196,97	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R198,99	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R200	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R202	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R203	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R204	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R205	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R206	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R207	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R208,09	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R211	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R212	ERJ8GEYJ331	M.RESISTOR CH 1/8W 330	1	
R213	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R214	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R215	ERJ6GEYF561	M.RESISTOR CH 1/10W 560	1	
R216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R217	ERJ12YJ180	M.RESISTOR CH 1/2W 18	1	
R222	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R223	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R227,28	ERJ12YJ180	M.RESISTOR CH 1/2W 18	2	
R229	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R230	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	1	
R231	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R232	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	1	
R233	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R234	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	1	
R235	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R236	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	1	
R251-55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	
R256	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R257,58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R259,60	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R261-64	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R265	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R266,67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R268	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R269	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R270	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R271	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R272	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R273	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R274	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R275	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R276	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R277	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R278	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R279	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R280-83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R301-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R306-09	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R311,12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R313	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R314	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R315,16	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R317,18	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R319	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R323	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R324,25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R327	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R331,32	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R333,34	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R335,36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R337,38	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R340	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R341,42	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R343	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R350	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R354,55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R356	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R357	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R358,59	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R360	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R361	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R364	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R366	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R371,72	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R373	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R374-76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R377-79	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R380	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R381	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R382	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R383	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R384	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R385	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R386	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R387	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R388	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R393	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R394,95	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R401-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R406-09	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R410	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R411,12	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R413	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R414	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R416,17	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R421	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R422,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R424	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R426,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R431,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R433,34	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R435,36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R437,38	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R440	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R441	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R442,43	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R448	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R454,55	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R456	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R457,58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R459	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R460	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R463	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R465	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R467	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R470	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R471,72	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R473	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R474-76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R477-79	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R480	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R481	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R482	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R483	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R484	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R485	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R486	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R487	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R488	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R493	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R494,95	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R501-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R506-09	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R511,12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R513	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R514	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R515	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R516,17	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R521	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R522,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R524	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R526,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R531,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R533,34	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R535	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R536	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R537	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R539-41	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R542	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R543,44	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R546	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R548	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R555,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R557	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R558	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R560	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R561	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R563	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R565	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R567	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R569	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R572	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R573,74	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R575	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R576-78	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R579	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R581,82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R583,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R585-87	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R588	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R589	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R590	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R591	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R592	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R593	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R594	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R595	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R596	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R601-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R606-09	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R611,12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R613	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R614	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R615	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R616,17	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R621	ERJ3RBD751	M.RESISTOR CH 1/16W 750	1	
R622,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R624	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R626,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R631,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R633,34	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R635	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R636	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R637	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R639-41	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R642	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R643,44	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R646	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R648	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R655,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R657	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R658	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R660	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R661	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R663	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R665	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R667	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R669	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R672	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R673,74	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R675	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R676-78	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R679	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R681,82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R683,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R685-87	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R688	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R689	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R690	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R691	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R692	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R693	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R694	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R695	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R696	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R701-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R706-09	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R710	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R711,12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R713	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R714	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R716,17	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R721	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R722,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R724	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R726,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R731,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R733,34	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R735,36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R737,38	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R740	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R741	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R742,43	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R748	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R754	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R755	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R756	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R757	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R758	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R759	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R762,63	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R764-66	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R767	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R768	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R769	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R770	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R771	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R772	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R773	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R774	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R775	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R776	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R777,78	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R801-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R806-09	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	4	
R810	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R811,12	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R813	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R814	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R815	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R816,17	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R821	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R822,23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R824	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R826,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R831,32	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R833,34	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R835,36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R837,38	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R840	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R841	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R842,43	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R848	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R854	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R855	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R856	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R857	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R858	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R859	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R862,63	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R864-66	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R867	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R868	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R869	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R870	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R871	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R872	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R873	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R874	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R875	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R876	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R877,78	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R901	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R902	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R903	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R904	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R905	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R906	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R907	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R908	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R909	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R910	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R911	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R912	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R913	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R914,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R916	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R917,18	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R919	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R920	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R921	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R922	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R923	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R924	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R925	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R926	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R927	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R928	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R929,30	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R931	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R932,33	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R934	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R935	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R936	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R937	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R938	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R939,40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R941,42	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R943	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R944	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R945	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R946	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R947	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R948	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R949	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R950,51	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R952,53	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R954	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R955,56	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R957	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R958	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R959	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R960	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R961	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R962	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R963	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R964	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R965	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R966	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R967,68	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R969	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R970,71	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	2	
R972	ERJ8GEYJ270	M.RESISTOR CH 1/8W 27	1	
R973	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R974	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R975	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R976	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
RY251	VSY2069	RELAY	1	K6B2CDB00006
T1-T4	VET0477	TRANSFORMER	4	
TG1	VJR0646	TEST POINT	1	D0X0R0000022
TP301	VJR0646	TEST POINT	1	D0X0R0000022
TP401	VJR0646	TEST POINT	1	D0X0R0000022
TP501	VJR0646	TEST POINT	1	D0X0R0000022
TP601	VJR0646	TEST POINT	1	D0X0R0000022
TP701	VJR0646	TEST POINT	1	D0X0R0000022
TP801	VJR0646	TEST POINT	1	D0X0R0000022
TP901-04	EYF6CU	TEST POINT	4	
VC301	ECRJA010A12	TRIMMER	1	
VC401	ECRJA010A12	TRIMMER	1	
VC501	ECRJA010A12	TRIMMER	1	
VC601	ECRJA010A12	TRIMMER	1	
		MISCELLANEOUS		
	VSC3626	HEAT SINK	1	
	VSC4386	RF SHIELD CASE (MIDDLE)	1	
	VSC4437	RF SHIELD CASE (LOWER)	1	
	VMP6260	P.C.BOARD HOLDER ANGLE	1	
	XYN3+K8	SCREW	2	
	XYN26+F10	SCREW	1	
	XNG26EFXS	NUT	1	
	VYQ2013	RF SHIELD CASE (U) ASS'Y	1	
	VSC4933	SHILD HOLDER ANGLE	1	
	VSC5124	RF SHIELD CASE (UPPER)	1	
	VSC4928	EARTH FINGER	1	
	XSN26+3	SCREW	1	
■ E12	VEP89134A	MOTHER P.C.BOARD	1	(RTL)
P1-14	K1KBE8A00001	CONNECTOR (FEMALE)	14	
P21	VJP2891B016	CONNECTOR (MALE)	1	K1KA16B00055
P29	VJS3375B060	CONNECTOR (FEMALE)	1	K1KB60B00011
P30	VJS3375B080	CONNECTOR (FEMALE)	1	K1KB80B00010
P31	VJP3440A016	CONNECTOR (MALE)	1	K1KA16A00138
P32	VJP1230T	CONNECTOR (MALE) 3P	1	
P33	K1KBE8A00001	CONNECTOR (FEMALE)	1	
P40	VJP3418A080	CONNECTOR (MALE)	1	K1KA80A00066
P41	VJP3081	CONNECTOR (MALE)	1	
P42	VJP3076	CONNECTOR (MALE)	1	
P43	VJP3082	CONNECTOR (MALE)	1	
P51-55	K1KBE8A00001	CONNECTOR (FEMALE)	5	
P60	VJP2824B007	CONNECTOR (MALE)	1	K1KA07B00005
P61	VJP2824B009	CONNECTOR (MALE)	1	K1KA09B00016
P62	VJP2824B008	CONNECTOR (MALE)	1	K1KA08B00004
P103-07	VJS4301A100	CONNECTOR (FEMALE)	5	K1KBA0A00069
P132	VJP3440B016	CONNECTOR (MALE)	1	K1KA16B00019
P134	VJP1230T	CONNECTOR (MALE) 3P	1	
SW1	VSR0232	SWITCH	1	K0N116B00003
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP6250	MOTHER ANGLE (A)	1	
	VMP6251	MOTHER ANGLE (B)	1	
	VMP6252	MOTHER ANGLE (C)	1	
	VMP6253	MOTHER ANGLE (D)	1	
	VMP6254-2	MOTHER ANGLE (E)	1	
	VMP4868	XLR GUIDE ANGLE (B)	1	
	XYE3+EF6	SCREW	27	
	XTV26+6F	SCREW	2	
	VKC0392	SPACER	2	
■ E13	VEP80991A	A/C HEAD I/F P.C.BOARD	1	(RTL)
P1	VJP2278	CONNECTOR (MALE)	1	K1KA09A00087
P2	VJP1881T	CONNECTOR (MALE)	1	K1KA10C00002
■ E14	VEP83478A	REAR JACK P.C.BOARD	1	(RTL)
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C2	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C3,C4	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C5	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C6,C7	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C8	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C9,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C11	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C12,13	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C14	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C16	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C18	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C19	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C20	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C22	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C24	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C25	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C26	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C28	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C29	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C30	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C31	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C32	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C34	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C36	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C37	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C38	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C40	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C41	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C42	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C43	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C44	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C45	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C46	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C47	ECUX1H270JCV	C.CAPACITOR CH 50V 27P	1	
C48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C50	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C51	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C52	EEVHB1A330	E.CAPACITOR 10V 33U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C54-57	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C60	EEVHB1A330	E.CAPACITOR 10V 33U	1	
C100	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C101	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C102-09	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	8	
C110	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C111-26	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	16	
C127	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C128-35	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	8	
C136	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C137-60	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	24	
C161-68	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C170	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D1	MA3J14300L	DIODE	1	
D2	MA142K	DIODE	1	
D3	MA3J14300L	DIODE	1	
D4	MA3062M	DIODE	1	
D5	MA142K	DIODE	1	
D6,D7	MA3130-L	DIODE	2	
D8	MA3J14300L	DIODE	1	
D9	MA3130-L	DIODE	1	
D10	MA3062M	DIODE	1	
D11	MA3J14300L	DIODE	1	
D20,21	MA142K	DIODE	2	
IC1	LT1129CS8	IC	1	
IC2	LT1175CS8	IC	1	
IC3	NJM78L09UA	IC	1	C0CBAHC00002
IC4	NJM79L09UA	IC	1	C0CABBF00001
IC5,C6	T74HC4051AF	IC	2	
IC7	TC7S00FU	IC	1	
IC10	TC74HC4050AF	IC	1	
IC11	TC7S00FU	IC	1	
IC12-15	TVHC165FT	IC	4	
IC16,17	SN74S1053NS	IC	2	
IC18-20	TC74HC4094AF	IC	3	
IC21	TC7S00FU	IC	1	
J1-J6	VJS3901	CONNECTOR (FEMALE)	6	K1CB204H0004
J101-03	VJS3901	CONNECTOR (FEMALE)	3	K1CB204H0004
L1-L5	VLF1151A132	COIL	5	
L6-15	VLQ0319K100	COIL 10UH	10	G1C100K00023
P201	VJP3375A080	CONNECTOR (MALE)	1	K1KA80A00054
P202	VJP3414A015	CONNECTOR (MALE)	1	K1FB115A0008
P203,04	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
P206	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P207	VJS4356	CONNECTOR (FEMALE)	1	
Q1	2SB709	TRANSISTOR	1	
Q2	2SC2295	TRANSISTOR	1	
Q3	2SB709	TRANSISTOR	1	
Q4	2SC2295	TRANSISTOR	1	
Q5	2SB709	TRANSISTOR	1	
Q6	XN4501	TRANSISTOR-RESISTOR	1	
Q7	2SB709	TRANSISTOR	1	
Q8	XN4501	TRANSISTOR-RESISTOR	1	
Q9	2SB709	TRANSISTOR	1	
Q10	XN4501	TRANSISTOR-RESISTOR	1	
Q11	2SB709	TRANSISTOR	1	
Q12,13	XN4501	TRANSISTOR-RESISTOR	2	
Q14	2SB709	TRANSISTOR	1	
Q40-51	XN1214	TRANSISTOR-RESISTOR	12	
R1	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R2	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R4	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5,R6	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R7	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R8	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R9	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R11	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R12	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R13,14	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R15	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R16	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R17	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R18	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R19	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R20	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R21	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R22,23	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R24	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R25	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R26	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R30	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R31,32	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R33	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R34	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R35	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R36	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R37	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R39	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R40,41	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R42	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R43	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R44	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R45	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R46	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R47	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R48	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R49,50	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R51	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R52	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R53,54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R55	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R56,57	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R58	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R59	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R60	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R62	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R64	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R68	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R72	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R76	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R80	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R84	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R120	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R121	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R122	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R123	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R124	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R125	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R126	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R127	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R128	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R129	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R130	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R131-94	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	64	
R195	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
⚠ R196	ERQ12HJ2R7	F.RESISTOR 1/2W 2.7	1	
SW1,W2	VSS0307	SWITCH	2	K0D122A00105
		MISCELLANEOUS		
	VMP6258	D SUB ANGLE	1	
	VMP6259	V/S JACK ANGLE	1	
	VXQ0102	SCREW	10	K1YE50000008
	XTN26+6FFZ	SCREW	3	
	XTN3+10JFZ	SCREW	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E15	VEP81200B	POWER 1 P.C.BOARD	1	(RTL)
⚠ C1101	ECQU2A224MV	P.CAPACITOR 100V 0.22U	1	
⚠ C1102,03	F1BAH331A004	C.CAPACITOR 330P	2	
⚠ C1104	ECQU2A474MV	P.CAPACITOR 100V 0.47U	1	
⚠ C1105,06	VCK0262K101A	C.CAPACITOR 100P	2	F1BAH101A001
⚠ C1107-09	VCK0260M102A	C.CAPACITOR 1000P	3	F1BAH1020010
C1110,11	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1112	VCK0293	C.CAPACITOR	1	F0A2G3350001
C1113	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1115,16	VCK0106K471	C.CAPACITOR 470P	2	
C1117,18	ECEC2WC151EB	E.CAPACITOR 450V 150U	2	
C1119,20	VCK0106K471	C.CAPACITOR 470P	2	
C1121	ECA1HXL100	E.CAPACITOR 50V 10U	1	
C1122	ECA1HXS100	E.CAPACITOR 50V 10U	1	
C1123	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1125	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1126	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C1127	ECQV1H684JF	P.CAPACITOR 50V 0.68U	1	
C1128	EEUFC1H121L	E.CAPACITOR 50V 120U	1	
C1129	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C1130	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1131	ECQF6222JZ	P.CAPACITOR 630V 2200P	1	
C1132,33	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1134	ECUM1H472KBN	C.CAPACITOR CH 50V 4700P	1	
C1135	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1136	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1141,42	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
D1101	RBV606	DIODE	1	
D1102	TM1661S-L	DIODE	1	
D1103	U1GU44	DIODE	1	
D1104	FML-36S	DIODE	1	
D1105,06	ERA15-08	DIODE	2	B0AAMT000001
D1107,08	MA3200-M	DIODE	2	
D1109,10	MA152K	DIODE	2	
D1111-13	U1GU44	DIODE	3	
D1114,15	MA3068-M	DIODE	2	
D1116	MA3200-M	DIODE	1	
D1118,19	MA3200-M	DIODE	2	
D1120	MA3220-M	DIODE	1	
D1122	MA152K	DIODE	1	
D1123,24	MA3200-M	DIODE	2	
D1125	MA152K	DIODE	1	
D1126	MA3068-M	DIODE	1	
D1127	SFPB-76V	DIODE	1	
D1128	MA1070400L	DIODE	1	
IC1101	MC33262P	IC	1	C0DAZZZ00013
IC1102	M51945BL	IC	1	C0EAB0000004
IC1103	M51953BL	IC	1	C0EAH0000033
⚠ L1101-03	ELF21N030A	COIL	3	
⚠ L1104	ELF18D604F	FILTER	1	
L1105	VLQ0820	COIL	1	
P1101	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
P1102,03	VJP2639	CONNECTOR (MALE)	2	K1KA02A00205
P1104	VJP4033	CONNECTOR (MALE)	1	K1KA06A00162
Q1101,02	2SK1941-01R	TRANSISTOR	2	B1DEGR000002
Q1103	2SJ278	TRANSISTOR	1	
Q1106	XN1501	TRANSISTOR-RESISTOR	1	
QR1101	UN2112	TRANSISTOR-RESISTOR	1	
QR1102	UN2213	TRANSISTOR-RESISTOR	1	
QR1103	UN2113	TRANSISTOR-RESISTOR	1	
QR1104,05	UN2213	TRANSISTOR-RESISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ R1101	ERC12AGM334	S.RESISTOR 1/2W 330K	1	
⚠ R1102,03	ERU5TEJ100	F.RESISTOR 5W 10	2	
R1104	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1105,06	ERG2SJ220	M.RESISTOR 2W 22	2	
R1107	VRE0206	M.RESISTOR	1	D0XGR05J0002
R1108	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1109	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1110	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1111	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1112	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1113	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	1	
R1114	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1115,16	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	
R1117,18	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1119	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1120	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R1122	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	1	
R1123	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	1	
R1124	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	1	
R1125	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1126	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	1	
R1129	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	1	
R1130	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1131	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R1132	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1134,35	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1136	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1137	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1138	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1139-41	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1142	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1143,44	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1145	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1146	VRT0142	THERMISTOR	1	D4DDB3310005
R1147	ERG2SJ221	M.RESISTOR 2W 220	1	
R1148-50	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1151	ERJ6RBD223	M.RESISTOR CH 1/10W 22K	1	
R1153,54	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
R1155,56	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R1158	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1159	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1160	ERJ6RED224	M.RESISTOR CH 1/10W 220K	1	
R1161	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1162	ERJ6RED334	M.RESISTOR CH 1/10W 330K	1	
R1163	ERJ6GEYG474	M.RESISTOR CH 1/10W 470K	1	
R1165	ERJ6GEYG273	M.RESISTOR CH 1/10W 27K	1	
R1166	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1171,72	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
R1173	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	
R1174	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1176	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R1177,78	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	
R1181-83	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
VR1102	VRV0111B501	V.RESISTOR 500	1	
		MISCELLANEOUS		
	VJF1348	CLAMPER	1	
	VJR1008	EARTH LUG	2	
⚠	VMZ0965	CAPACITOR COVER	3	
⚠	VMZ1608	CAPACITOR TUBE	4	
	VSC5003	HEAT SINK (A)	1	
	XYN3+F10	SCREW	1	
	XYN3+F6FZS	SCREW	1	
	XYN3+F8FZS	SCREW	3	
	XYN3+J8V	SCREW	2	
■ E16	VEP81201A	POWER 2 P.C.BOARD	1	(RTL)
■	VEP81202A	POWER PACK P.C.BOARD	1	(RTL)FOR VEP81201A

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1002,03	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C1004	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1006,07	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1008	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C1009,10	ECA1HXL330	E.CAPACITOR 50V 33P	2	
C1011	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1012	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1013	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1015	ECJ2XB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1016	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1017	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1018	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C1019	ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C1020	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1021	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1022	ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C1023	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C1026	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1027	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C1030-37	ECKD2H101KB	C.CAPACITOR 500V 100P	8	
C1038	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1039	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1040-42	EEUFC1A822	E.CAPACITOR 10V 8200U	3	
C1043	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1044	EEUFC1E102	E.CAPACITOR 25V 1000U	1	
C1045	EEUFC1J221	E.CAPACITOR 63V 220U	1	
C1046	EEUFC1C152	E.CAPACITOR 16V 150U	1	
C1047	EEUFC1C681	E.CAPACITOR 16V 680U	1	
C1048,49	EEUFC1A682	E.CAPACITOR 10V 6800U	2	
C1050	EEUFC1A822	E.CAPACITOR 10V 8200U	1	
C1051	ECA1CXL101	E.CAPACITOR 16V 100U	1	
C1052,53	ECA1EXL101	E.CAPACITOR 25V 100U	2	
C1054	EEUFC1J101L	E.CAPACITOR 63V 100U	1	
C1055,56	ECA1CXL101	E.CAPACITOR 16V 100U	2	
C1059,60	ECA1CXL101	E.CAPACITOR 16V 100U	2	
C1062	VCK0106K151	C.CAPACITOR 150P	1	
C1063	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1065	VCK0106K151	C.CAPACITOR 150P	1	
C1066	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1067,68	ECQE6473KF	P.CAPACITOR 630V 0.047U	2	
C1069	ECUM1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C1072	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C1073	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1074	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1075	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C1076,77	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1079	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1080,81	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	2	
C1083	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1090	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1092	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1093	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1501,02	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	
C1503	ECA1HXS100	E.CAPACITOR 50V 10U	1	
C1504-14	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	11	
C1517-26	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	10	
C1527,28	ECA1HXS100	E.CAPACITOR 50V 10U	2	
C1529	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1530	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C1531	ECA1HXS100	E.CAPACITOR 50V 10U	1	
C1532	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C1534-38	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	5	
C1540-42	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	
D1001	MA151WK	DIODE	1	
D1004	MA152K	DIODE	1	
D1005	MA151WK	DIODE	1	
D1009	MA153	DIODE	1	MA3X153
D1010	U1GU44	DIODE	1	
D1012	MA3240-H	DIODE	1	
D1013,14	U1GU44	DIODE	2	
D1015	MA3240-H	DIODE	1	
D1017	U1GU44	DIODE	1	
D1020-22	MA152K	DIODE	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1023,24	MA3051-M	DIODE	2	MAZ30510ML
D1025	MA3075-M	DIODE	1	
D1030	D30SC4M	DIODE	1	B0JBSE000022
D1031	FMLG22S	DIODE	1	
D1032,33	FML-G12SP	DIODE	2	
D1034,35	D5S9M	DIODE	2	
D1036	D30SC4M	DIODE	1	B0JBSE000022
D1037	FML-G12SP	DIODE	1	
D1038	MA152K	DIODE	1	
D1044,45	U05NU44	DIODE	2	
D1046	EG01C	DIODE	1	B0HAGV000001
D1047	U1GU44	DIODE	1	
D1048	MA3240-H	DIODE	1	
D1049	EG01C	DIODE	1	B0HAGV000001
D1050	U1GU44	DIODE	1	
D1051	MA3240-H	DIODE	1	
D1052	MA151WK	DIODE	1	
D1053,54	MA2270A	DIODE	2	
D1501	MA3075-M	DIODE	1	
D1502	MA3051-M	DIODE	1	MAZ30510ML
D1503	MA3160-L	DIODE	1	
D1504	MA3130-L	DIODE	1	
D1505	MA3160-L	DIODE	1	
D1506	MA3075-M	DIODE	1	
D1507	MA3130-L	DIODE	1	
D1508	MA152WA	DIODE	1	
D1509	MA152WK	DIODE	1	
D1510	MA152K	DIODE	1	
D1511	MA152WA	DIODE	1	
D1512,13	MA152K	DIODE	2	
D1515	MA152WK	DIODE	1	
D1516	MA152WA	DIODE	1	
D1522	MA152K	DIODE	1	
IC1001,02	FA5311BP	IC	2	C0DAAZZ00002
IC1011	UPC1944J	IC	1	C0DAZLB00001
IC1012	UPC1093J	IC	1	C0DAEMC00002
IC1013	PQ30RV31	IC	1	
IC1501	TA75S393F	IC	1	
IC1502,03	UPC1093J	IC	2	C0DAEMC00002
L1012	VLQ0479	COIL	1	
L1013	VLQ0605	COIL	1	
L1014	VLQ0354	COIL	1	
L1015	VLQ0605	COIL	1	
L1016	VLQ0354	COIL	1	
L1017	VLQ0655K220	COIL 22UH	1	
L1018	VLQ0479	COIL	1	
L1019	VLP0074	COIL	1	J0JDB0000002
L1020	VLQ0605	COIL	1	
L1021	VLP0074	COIL	1	J0JDB0000002
P1011	VJP2824B007	CONNECTOR (MALE)	1	K1KA07B00005
P1012	VJP2824B008	CONNECTOR (MALE)	1	K1KA08B00004
P1013	VJP2824B009	CONNECTOR (MALE)	1	K1KA09B00016
P1014	VJP1243T	CONNECTOR (MALE) 3P	1	
P1015	VJP4033	CONNECTOR (MALE)	1	K1KA06A00162
P1016	VJP3042A006W	CONNECTOR (MALE)	1	
P1017	VJP3042G003W	CONNECTOR (MALE)	1	K1KA03A00157
P1018	VJP3042G012W	CONNECTOR (MALE) 12P	1	K1KA12A00136
P1501	VJS3042B006W	CONNECTOR (FEMALE)	1	K1KB06B00015 FOR VEP81202A
P1502	VJS3042F012W	CONNECTOR (FEMALE) 12P	1	K1KB12B00030 FOR VEP81202A
P1503	VJS3042B003W	CONNECTOR (FEMALE)	1	K1KB03B00007 FOR VEP81202A
Q1004	2SB710A-R	TRANSISTOR	1	
Q1005	UN2213	TRANSISTOR-RESISTOR	1	
Q1006,07	2SB779-R	TRANSISTOR	2	
Q1011,12	2SK2258-01	TRANSISTOR	2	
⚠ Q1013-16	PS2561L1V1WL	TRANSISTOR	4	B3QAZ0000030
⚠ Q1020	PS2561L1V1WL	TRANSISTOR	1	B3QAZ0000030
Q1501,02	XN4501	TRANSISTOR-RESISTOR	2	
Q1503	XN4401	TRANSISTOR-RESISTOR	1	
Q1505	2SD602A	TRANSISTOR	1	
Q1506-10	XN4401	TRANSISTOR-RESISTOR	5	
Q1511-13	XN4501	TRANSISTOR-RESISTOR	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1516	2SB710A	TRANSISTOR	1	
Q1517	2SD602A	TRANSISTOR	1	
Q1518	2SB710A	TRANSISTOR	1	
QR1001	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1501	UN2211	TRANSISTOR-RESISTOR	1	
QR1502	UN2111	TRANSISTOR-RESISTOR	1	
QR1503	UN2211	TRANSISTOR-RESISTOR	1	
QR1504	UN2113	TRANSISTOR-RESISTOR	1	
QR1505	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1506	UN2211	TRANSISTOR-RESISTOR	1	
QR1508	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1509	UN2211	TRANSISTOR-RESISTOR	1	
QR1511	UN2111	TRANSISTOR-RESISTOR	1	
QR1512	UN2213	TRANSISTOR-RESISTOR	1	
R1001,02	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	2	
R1003	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1009	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1010	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1011	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1013	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1014	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1016	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1017	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1018,19	ERJ6GEYJ225	M.RESISTOR CH 1/10W 2.2M	2	
R1020	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1021	ERG3SJ333	M.RESISTOR 3W 33K	1	
R1023,24	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	
R1026	ERJ6GEYG683	M.RESISTOR CH 1/10W 68K	1	
R1027	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R1028	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R1029	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R1030	ERJ6RBD161	M.RESISTOR CH 1/10W 160	1	
R1031	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1033,34	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	2	
R1036	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1037	ERJ6RBD472	M.RESISTOR CH 1/10W 4.7K	1	
R1038	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R1039	ERJ6RBD181	M.RESISTOR CH 1/10W 180	1	
R1040	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R1041	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	
R1042	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R1043	ERJ6RBD682	M.RESISTOR CH 1/10W 6.8K	1	
R1044	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1045	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	
R1046,47	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	2	
R1048,49	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R1050	ERG2SJ470	M.RESISTOR 2W 47	1	
R1051,52	ERJ6GEYG183	M.RESISTOR CH 1/10W 18K	2	
R1055	VRT0142	THERMISTOR	1	D4DDB3310005
R1056	ERG2SJ222	M.RESISTOR 2W 2.2K	1	
R1059	ERG2SJ470	M.RESISTOR 2W 47	1	
R1060	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1062	VRT0033	THERMISTOR	1	D4DDB3310004
R1063	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1065	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	
R1066	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R1067	ERJ6RBD222	M.RESISTOR CH 1/10W 2.2K	1	
R1068	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R1069	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R1070	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R1071	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1072	ERG3SJ333	M.RESISTOR 3W 33K	1	
R1073	ERG2SJ180	M.RESISTOR 2W 18	1	
R1074	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1075	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1076	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1077	ERG3SJ333	M.RESISTOR 3W 33K	1	
R1078	ERG2SJ180	M.RESISTOR 2W 18	1	
R1079	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1080	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1081	ERW1PKR27	W.RESISTOR 1W 0.27	1	
R1082	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1083	ERJ6RBD332	M.RESISTOR CH 1/10W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1084	ERJ6RBD391	M.RESISTOR CH 1/10W 390	1	
R1086	ERJ6GEYG224	M.RESISTOR CH 1/10W 220K	1	
R1087,88	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	2	
R1089	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1090	VRE0222J50M	M.RESISTOR	1	
R1091	VRE0221H50M	M.RESISTOR	1	
R1092	VRE0222J0R1	M.RESISTOR 0.1	1	
R1093	VRE0222J50M	M.RESISTOR	1	
R1094	VRE0221H0R1	M.RESISTOR 0.1	1	
R1095	VRE0222J10M	M.RESISTOR	1	
R1096	VRE0222J33M	M.RESISTOR	1	
R1097	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1098	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1099	ERG3SJ333	M.RESISTOR 3W 33K	1	
R1100	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1501-07	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	7	
R1508	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1509	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1510-13	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R1515,16	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	2	
R1517	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1518	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1519	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1521	ERJ6RBD152	M.RESISTOR CH 1/10W 1.5K	1	
R1523	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1524	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1526	ERJ6RBD242	M.RESISTOR CH 1/10W 2.4K	1	
R1527	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1528	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1529	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1531	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1532	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1533	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1534	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1536	ERJ6RBD182	M.RESISTOR CH 1/10W 1.8K	1	
R1537	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1538	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1539	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1541	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1542	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R1543	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1544	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1545	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R1546	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1547	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1549	ERJ6RBD132	M.RESISTOR CH 1/10W 1.3K	1	
R1550	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1551	ERJ6RBD101	M.RESISTOR CH 1/10W 100	1	
R1553	ERJ6RBD751	M.RESISTOR CH 1/10W 750	1	
R1554	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R1555	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R1557-60	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	4	
R1561	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	
R1562	ERJ6RBD103	M.RESISTOR CH 1/10W 10K	1	
R1563	ERJ6RBD563	M.RESISTOR CH 1/10W 56K	1	
R1564	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
⚠ T1001	VLT0964	TRANSFORMER	1	
⚠ T1002	VLT0965	TRANSFORMER	1	
VR1001	VRV0064B102	V.RESISTOR 1K	1	D3CB71020002
VR1002	VRV0112B501	V.RESISTOR 500	1	
		MISCELLANEOUS		
	VEE0C18	GND CABLE	1	
	VJR1008	EARTH LUG	2	
	VLP0336	FERRITE CORE	9	
	VLP0337	FERRITE CORE	2	
	VLP0394	FERRITE BEAD	5	J0KE00000032
⚠	VMZ2779	INSULATION	1	
	VMZ2919	BARRIER	2	
⚠	VMZ3017	BARRIER	1	
	VSC4707	HEAT SINK	1	
	VSC4779	HEAT SINK (E)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VSC4780	HEAT SINK (D)	1	
	VSC5114	HEAT SINK	1	
	XYN3+F10	SCREW	4	
	XYN3+F6FZS	SCREW	2	
	XYN3+F8FZS	SCREW	9	
	XYN3+J8V	SCREW	4	
■ E17	VEP80A58A	POWER CONNECTION P.C.B.	1	(RTL)
		MISCELLANEOUS		
	VJS4033	CONNECTOR (FEMALE)	2	K1KB06B00023
■ E18	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	
■ E19	VEP82231A	MECHA I/F P.C.BOARD	1	(RTL)
C1	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C2-C5	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	4	
C6	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C7	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C8	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C9,10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C11	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C13,14	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C15	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C20	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C21	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C22	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C26,27	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C28	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C29,30	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C31	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C32,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C34	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C35	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C36,37	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C40	ECUX1H122KBV	C.CAPACITOR CH 50V 1200P	1	
C41	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C42	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C43	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C44	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	
C45	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	1	
C101	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	
C102	ECA1HEN101	E.CAPACITOR 50V 100U	1	
C103	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C104-06	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
D1	MA157	DIODE	1	
D2-D5	MA704A	DIODE	4	
IC1,C2	0P177GS	IC	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3	NJM4580ED	IC	1	C0ABBB000123
IC4-C9	UPC4558G2	IC	6	C0ABBB000131
IC10	NJM78L09UA	IC	1	C0CBAHC00002
IC11	NJM79L09UA	IC	1	C0CABBF00001
IC40	UPC4558G2	IC	1	C0ABBB000131
IC100	NJM2903M	IC	1	C0BBBA000019
J1,J2	VJR1008	EARTH LUG	2	
L1,L2	VLF0576	FILTER	2	J0HACH000011
P1	VJP3081	CONNECTOR (MALE)	1	
P2	VJP3418A080	CONNECTOR (MALE)	1	K1KA80A00066
P3	VJP3076	CONNECTOR (MALE)	1	
P4	VJP3082	CONNECTOR (MALE)	1	
P11	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P12	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P13	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P14	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P15	VJP3518B002	CONNECTOR (MALE)	1	
P16	VJP3518B003	CONNECTOR (MALE)	1	
P17	VJS3801B010	CONNECTOR (FEMALE)	1	
P18	VJP3518B002	CONNECTOR (MALE)	1	
P19	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P20	VJP3518B003	CONNECTOR (MALE)	1	
P21	VJP3518B002	CONNECTOR (MALE)	1	
P22	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P24	VJP3518B002	CONNECTOR (MALE)	1	
P25	VJP1230T	CONNECTOR (MALE) 3P	1	
P26	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P30	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P32	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P33	VJS3422B015	CONNECTOR (FEMALE)	1	
P34,35	VJS2889A017	CONNECTOR (FEMALE)	2	K1MN17A00008
P36	VJS3422B019	CONNECTOR (FEMALE)	1	
P41	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P48	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P51	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P52,53	VJP3172D004	CONNECTOR (MALE)	2	K1KA04B00007
P54,55	VJP3172D002	CONNECTOR (MALE)	2	K1KA02B00051
P56	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P57	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P58	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
Q1,Q2	2SB1218A-R	TRANSISTOR	2	
R1	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R2,R3	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R4	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R5	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R6	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R7	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R8	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R9	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R10	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R11	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R12,13	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R14	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R15	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R16	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R17	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R18	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R19	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R21	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R22	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R23	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R24	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R25	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R36,37	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R40	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R41	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R42	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R43	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R44	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R45	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R46	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R50-53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R56,57	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R58	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R59	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R60	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R61	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R62	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R64	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R65	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R66	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R67,68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R69	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R70	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R71	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R72,73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R100	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R101	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R102	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R103	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R104	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R105	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R106	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R107,08	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
R109,10	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R111,12	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
VR1	EVMECSA00B24	V.RESISTOR 20K	1	
VR2	EVMECSA00B54	V.RESISTOR 50K	1	
VR3	EVMECSA00B24	V.RESISTOR 20K	1	
VR4	EVMECSA00B54	V.RESISTOR 50K	1	
VR100,01	EVMECSA00B24	V.RESISTOR 20K	2	
■ E20	VEP84303B	A JACK P.C.BOARD	1	(RTL)
C1-12	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	12	
J1-J6	VJS3417	CONNECTOR (FEMALE)	6	K1AB103A0007
J7-14	VJP3417	CONNECTOR (MALE)	8	K1AA103A0003
P1	VJP3375A060	CONNECTOR (MALE)	1	K1KA60A00083
R2	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R4	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R10	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R12	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R14	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R16	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R18	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R22	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R24	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R26	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R30	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R32	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R34	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R36	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R38	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R40	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R42	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R44	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R46	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R48	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R50	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R52	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R54	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R56	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
		MISCELLANEOUS		
	VMP4867	XLR GUIDE ANGLE (A)	1	
	XYN26+F8	SCREW	2	
■ E21	VEP84332A	AES/EBU JACK P.C.BOARD	1	(RTL)
J1-J8	VJS3901	CONNECTOR (FEMALE)	8	K1CB204H0004
P1	VJP3440A020	CONNECTOR (MALE)	1	K1KA20A00187
P2	VJP1230T	CONNECTOR (MALE) 3P	1	
R1-R8	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	8	
■ E22	VEP80B43A	UP FRONT 1 P.C.BOARD	1	(RTL)
C3	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C4	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5	ECEA1CGE100	E.CAPACITOR 16V 10U	1	
C8-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
D1	LN31GPHL	LED	1	
D2	LN41YPH	DIODE	1	
D3	LN21RPH	LED	1	
D4,D5	LN41YPH	DIODE	2	
D6-D9	LN31GPHL	LED	4	
D10	MA142WK	DIODE	1	
D11	MA142K	DIODE	1	
DP1	VEQ1847	DISPLAY TUBE	1	A2BC00000033
IC1	TC74HC4050AF	IC	1	
IC2	TC7S00F	IC	1	C0JBAC000105
IC3-C5	TC74HC4094AF	IC	3	
P1	VJP3440B016	CONNECTOR (MALE)	1	K1KA16B00019
P2	VJP1246T	CONNECTOR (MALE) 6P	1	
P3	VJS3281A020	CONNECTOR (FEMALE)	1	
P4	VJP2739B002	CONNECTOR (MALE)	1	K1KA02B00127
Q1-Q8	2SD601A	TRANSISTOR	8	
R1	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R2	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R4	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R5	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R7	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R8	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R9	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R12,13	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	2	
R14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R15	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R16,17	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	2	
R18	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R20	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R21	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R22	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R23,24	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	2	
R25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R26	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R27,28	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	2	
R29	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R31	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R32	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R34	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R35	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R36	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R37	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R38	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R39,40	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R41,42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R48,49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
SW1-W5	VSP1139	SWITCH	5	
		MISCELLANEOUS		
	XYN3+K8	SCREW	2	
	VMX2188110	LED SPACER	9	K9ZZ00000646
■ E23	VEP80B56A	UP FRONT 2 P.C.BOARD	1	(RTL)
D1	VLL0029	LED	1	B3CAF0000005
P1	VJP1246T	CONNECTOR (MALE) 6P	1	
SW1	VSP0864C001	SWITCH	1	K0F111A00274
■ E24	VEP86297B	FRONT CPU P.C.BOARD	1	(RTL)
C1	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C2	EEVHB1H2R2	E.CAPACITOR 50V 2.2U	1	
C3	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C4,C5	ECUM1H100JCN	C.CAPACITOR CH 50V 10P	2	
C6	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C7-10	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C12-14	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C15	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C16,17	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C20,21	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C22-25	ECUX1E104KBN	C.CAPACITOR CH 25V 0.1U	4	
C26,27	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C28-37	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	10	
C38,39	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C40-42	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C43-47	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	5	
C48-51	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C52-74	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	23	
C77-82	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	6	
C84	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C86	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C88,89	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C93	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C100-03	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C111-21	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	11	
C122	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C123	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C126-29	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1-D3	MA152WK	DIODE	3	
D5,D6	MA152WK	DIODE	2	
D8	MA152WK	DIODE	1	
DP1	VEQ2411	DISPLAY	1	
FL1-L4	VLF1016A470	FILTER	4	
IC1	HD64180ZRP8	IC	1	
IC2	VSI3752	IC	1	
IC3	W24258S-70LE	SRAM	1	
IC4	TL7705CPSB	IC	1	C0EBS0000002
IC5	74F32SJ	IC	1	
IC6	TVHC161FT	IC	1	
IC14	TE7751	IC	1	C1ZBZ0000156
IC17	SN75C1168NS	IC	1	
IC18	TC74HC4538F	IC	1	C0JBAM000032
IC20,21	NJM78L05UA	IC	2	C0CBADC00010
IC22	TVHC164FT	IC	1	
IC23	UPC339G2	IC	1	
IC24	C0JBAB000196	IC	1	
IC25	TVHC11FT	IC	1	
IC26	TVHC74FT	IC	1	
IC27	UPD71055GB	IC	1	C1DB00000112
IC28,29	T74HC191AF	IC	2	
IC30	TLC549IPS	IC	1	
IC31	T74H4051AF	IC	1	
IC32	TLC549IPS	IC	1	
IC33	T74H4051AF	IC	1	
IC35-37	NJM2904M	IC	3	
IC39-41	NJM2904M	IC	3	
IC42	TVHC11FT	IC	1	
IC43	TVHC32FT	IC	1	
IC50	TVHC139FT	IC	1	
IC51	TVHC08FT	IC	1	
IC52	TVHC32FT	IC	1	
IC53	TVHC164FT	IC	1	
IC54	C0JBAB000196	IC	1	
IC55-57	TVHC244FT	IC	3	
IC58	TVHC245FT	IC	1	
IC59	TVHC244FT	IC	1	
IC60	TVHC574FT	IC	1	
IC61,62	TVHT244FT	IC	2	
IC63	TVHC32FT	IC	1	
IC64	TVHC74FT	IC	1	
IC65	C0JBAB000196	IC	1	
IC66	TVHC244FT	IC	1	
IS2	VJS2336A032	CONNECTOR (FEMALE)	1	K3E032C00033
L1-L3	VLP0133	COIL	3	
P1,P2	VJP1986T	CONNECTOR (MALE)	2	K1KA13B00014
P3,P4	VJP3440B016	CONNECTOR (MALE)	2	K1KA16B00019
P5	VJP2891A016	CONNECTOR (MALE)	1	K1KA16A00111
P6	VJS3281A020	CONNECTOR (FEMALE)	1	
P7	VJS2698A028	CONNECTOR (FEMALE)	1	K1MN28A00006
P8	VJP1233T	CONNECTOR (MALE) 6P	1	
P9	VJS3801B040	CONNECTOR (FEMALE)	1	
P10	VJS3801B020	CONNECTOR (FEMALE)	1	
Q2	2SB1440	TRANSISTOR	1	
R1	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R2-R7	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	6	
R8-15	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	8	
R16	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R17	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R18,19	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R20	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R21-36	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	16	
R37-41	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	5	
R42,43	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R44	ERJ8GEYJ101	M.RESISTOR CH 1/8W 100	1	
R45-47	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R48	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R49,50	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R51-54	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	4	
R55-58	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R59-63	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	5	
R64	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R65-69	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	5	
R70	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R72-98	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	27	
R99,00	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R101-04	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	4	
R105-07	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R128	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R131,32	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R158-60	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
R162,63	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R165	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R200,01	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	
R202-05	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R250	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R251	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R252	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R260-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	16	
R280,81	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R287-96	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	10	
R300-33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	34	
R334	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R335-38	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R350,51	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R353	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R355,56	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R357-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R361	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R363-69	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	7	
R371	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R374,75	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R377-84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R393-17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	25	
R418-49	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	32	
R450-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	10	
R461	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R462	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R463	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW1	VSS0184	SWITCH	1	
X1	VSX0641	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	M27C100115F1	IC	1	
	VMX2507	PB SPACER	2	
	XYN3+K8	SCREW	2	
■ E25	VEP86298A	FRONT CPU SUB P.C.BOARD	1	(RTL)
P1	VJS3406B028	CONNECTOR (FEMALE)	1	
SW1-16	VSP1013	SWITCH	16	K0H1BA000357
■ E26	VEP80B44A	FRONT SW P.C.BOARD	1	(RTL)
C1	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C4,C5	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C7-11	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	5	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C13	ECEA0JGE102	E.CAPACITOR 6.3V 1000U	1	
C14	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C16	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C17	ECUX1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C18	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C19	ECEA1AGE331	E.CAPACITOR 10V 330U	1	
C20	ECEA1HGE470	E.CAPACITOR 50V 47U	1	
C30,31	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
D2-D5	LN38GCPP	LED	4	
D6	LN28RCPP	LED	1	
D7	LN38GCPP	LED	1	
D8	LN48YCPP	LED	1	
D9	LN38GCPP	LED	1	
D10	LN48YCPP	LED	1	
D13,14	LN38GCPP	LED	2	
D15,16	LN48YCPP	LED	2	
D17-25	MA152WA	DIODE	9	
D26,27	MA152A	DIODE	2	
D28-38	MA152WA	DIODE	11	
D39	MA152A	DIODE	1	
D40	MA152WA	DIODE	1	
D44	MA4300-M	DIODE	1	
D45	MA166	DIODE	1	
D46	MA701A	DIODE	1	
D47	MA4030M	DIODE	1	
DP1	VSL0462	DISPLAY TUBE	1	A2BZ00000018
⚠ F1	EYP2BN135	FUSE	1	
IC1	UPD71055GB	IC	1	C1DB00000112
IC2	MC74HC138AF	IC	1	
IC3	TVHC138FT	IC	1	
IC5-C9	TVHC273FT	IC	5	
IC11	UPD16310GF	IC	1	
P1,P2	VJP1986T	CONNECTOR (MALE)	2	K1KA13B00014
Q45,46	2SC1815Y	TRANSISTOR	2	B1AACF000024
Q47	2SC3074Y	TRANSISTOR	1	B1BADF000002
Q48-53	2SB709A-R	TRANSISTOR	6	
QR1-26	UN2214	TRANSISTOR-RESISTOR	26	UNR221400L
QR28-40	UN2214	TRANSISTOR-RESISTOR	13	UNR221400L
R4-11	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	8	
R12-14	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	3	
R15-19	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	5	
R20-26	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	7	
R27-29	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	3	
R31-34	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	4	
R35-42	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	8	
R43-50	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	8	
R51-53	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R110	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R111	ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R112	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R113	ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R114	ERDS2TJ220	C.RESISTOR 1/4W 22	1	
R115	ERJ8GEYJ103	M.RESISTOR CH 1/8W 1K	1	
R120	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R121-28	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	8	
R129-40	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	12	
R141	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R142	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R143-45	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	3	
SW1	VSP0791	SWITCH	1	K0F111A00279
SW2	VSP0788	SWITCH	1	K0F111A00277
SW3	VSP0792	SWITCH	1	K0F111A00280
SW4	VSP0789	SWITCH	1	K0F111A00283
SW5	VSP0790	SWITCH	1	K0F111A00278
SW6,W7	VSP0795	SWITCH	2	K0F111A00276
SW8-10	VSP0864A000	SWITCH	3	K0F111A00243

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW11,12	VSP0795	SWITCH	2	K0F111A00276
SW13	VSP0998	SWITCH	1	K0F111A00282
SW14	VSP0864A039	SWITCH	1	K0F111A00260
SW15	VSP0999A001	SWITCH	1	K0F111A00273
SW16	VSP0864A038	SWITCH	1	K0F111A00259
SW17-24	VSP0853A000	SWITCH	8	K0F111A00235
SW25	VSP0997A002	SWITCH	1	K0F111A00240
SW26	VSP0997A001	SWITCH	1	K0F111A00241
SW27-31	VSS0226	SWITCH	5	K0D222A00027
SW32-36	VSP1005	SWITCH	5	K0H1BA000148
SW38-41	VSP1005	SWITCH	4	K0H1BA000148
SW42	VSP0864A048	SWITCH	1	K0F111A00269
SW43	VSP0864A049	SWITCH	1	K0F111A00270
TR1	VLT0869	TRANSFORMER	1	G4ZZ00000363
		MISCELLANEOUS		
	VJF1258	DISPLAY HOLDER	1	
	VMX2147	LED SPACER 6	13	
	VMX0985	SPACER	1	
■ E27	VEP80963F	FRONT VR1 P.C.BOARD	1	(RTL)
P1	VJP3440A016	CONNECTOR (MALE)	1	K1KA16A00138
R1-R5	ERDS2TJ101	C.RESISTOR 1/4W 100	5	
R6	ERDS2TJ220	C.RESISTOR 1/4W 22	1	
VR1-R5	EVU023003B14	V.RESISTOR 10K	5	
VR6	EWVBB6018B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VEE0K28	FRONT VR CABLE	1	
■ E28	VEP80964E	FRONT VR2 P.C.BOARD	1	(RTL)
FL1-L3	VLF1356	FILTER	3	
J1	VJJ0378	M6 JACK	1	K2HB103B0019
P1	VJP3440A016	CONNECTOR (MALE)	1	K1KA16A00138
R1-R5	ERDS2TJ101	C.RESISTOR 1/4W 100	5	
VR1-R5	EVU023006B14	V.RESISTOR 10K	5	
		MISCELLANEOUS		
	VEE0K27	FRONT HP CABLE	1	
	VEE4187	EARTH LUG	1	
	VMC1321	EARTH METAL	1	
■ E29	VEP86307A	MEM CARD CNCT P.C.BOARD	1	(RTL)
P500	VJP3825	PC CARD SOCKET	1	K1NA68B00024
P501	VJS3801B040	CONNECTOR (FEMALE)	1	
P502	VJS3801B020	CONNECTOR (FEMALE)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

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